



Pan-European Training, Research & Education
Network on Electromagnetic Risk Management

**Pan-European Training, research and education
network on Electromagnetic Risk management
(PETER)**

Deliverable 5.7 (D29) – PETER Training School II

May 26-29, 2020

Online Network-Wide Event I

through Microsoft Teams Meetings



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Table of content

Summary	4
1. Agenda	5
2. Welcome by Project Coordinator + Progress Report (May 26: 9:15 – 10:00)	8
2.1. PETER Supervisory Board	8
2.2. PETER ESRs and PETER Supervisory Committees	9
2.3. Personal Career Development Plan	10
2.4. Training and first secondments	11
2.5. Ethics	12
2.6. Communication and Dissemination Outreach	12
2.7. Project Deliverables and Milestones (submitted and upcoming)	16
3. WP Parallel Sessions + Overview (May 26: 10:15 – 11:40)	17
4. MST Supervisory Board Meeting (May 26: 12:00 – 13:00)	17
5. Welcome by REA Project Officer and Project Coordinator - REA PO Presentation (May 26: 14:00 – 15:00)	19
6. Coordinator’s report (May 26: 15:00 – 15:30)	19
7. Individual ESRs presentations (May 26: 15:45 – 17:00 + May 27: 9:00 – 10:15)	19
8. Confidential discussions with Project Officer and ESRs (May 27: 10:15 – 11:30)	20
9. Feedback REA Project Officer (May 27: 12:00 – 13:00)	20
10. ESRs Council (May 27: 14:00 – 15:00)	20
11. Conclusions of the meeting + project next steps (May 27: 15:30 – 16:00)	21
12. NWE 1: Day 3-4 ESRs Soft-skill and S/T Trainings (May 28-29)	21
13. Photos online MSCA ETN PETER Network-Wide Event 1	22
14. Survey PETER NWE 1, May 26-29 2020, Online Meetings	24
15. Table overview with Annexes + Annexes	25



Summary

Recommendations by the Project Officer regarding the MSCA ETN PETER Mid Term Check on May 26-27, 2020, can be found in **Annex 1**.

Action items:

- * **Stephane Stroobant:** report the change regarding **Deliverable 7.4** to the EC.
- * **Fraunhofer:** follow up on the actual start date for ESR15 Fernando and further align with PETER Management Team.
- * **Stephane Stroobant:** submit all updated and signed PCDPs to the EU H2020 Participant Portal via **Deliverable 5.3 Progress Report of PCDP to Supervisory Board**.
- * **All ESRs:** send your secondment plan for the period September 2020 – July 2021 to the Project Manager **no later than August 31, 2020**.
- * **All ESRs:** proactively engage in PETER
- * **All:** use all PETER Project Visual Identity tools and EU Funding Acknowledgement regarding MSCA ETN PETER Project related activities.



Background: Due to the actual COVID-19 crisis, it was impossible to have a Face2Face Network-Wide Event/Training School and Mid-Term Project Review Meeting with the PETER Project Officer. This restriction has been overcome by shifting to online meetings through Microsoft Teams.

1. Agenda

The PETER Network-Wide Event I and Mid-Term Review Meeting took place on May 26-29, 2020 through Microsoft Teams Online Meetings due to the actual COVID-19 crisis.

On Tuesday, May 26, the Network-Wide Event was attended by the ESRs, the supervisors and their colleagues, the representatives of the partner organizations and the management support team (list of the participants can be found below). The first day started with a detailed introduction regarding the PETER progress report, followed by parallel sessions regarding the four scientific work packages where technical aspects and practicalities were discussed and further fine-tuned. Before the lunch, the Supervisory Board Meeting took place between consortium members and the ESR representative Qazi Mashaal Khan. In the afternoon, the PETER consortium welcomed the Research Executive Agency (REA-) Project Officer Mercedes Leguey Jiménez. After a tour de table during which all PETER Consortium members and ESRs presented themselves, the Project Officer gave a presentation on the monitoring of the PETER project implementation, the PETER reporting and the purpose of the Mid-Term Check. This was followed by the PETER Coordinator's report where the Coordinator presented the PETER Consortium & Mid-Term Progress Report (scientific, training and management). Then, the fellows (ESRs) 1-8 gave a pitch presentation on their background, PETER project, training, outreach, and their future career as a MSCA fellow.

Wednesday, May 27 started with the ESRs 9-15 pitch presentations which was followed by a confidential discussion between the Project Officer and all ESRs. This was followed by a feedback session given by the Project Officer to all PETER Consortium members + ESRs regarding the further alignment of the PETER Project Implementation. In the afternoon, the ESRs had their Researcher Council which was followed by a presentation regarding the conclusions of this PETER Project Meeting and the PETER Project next steps.

On day 3 (Thursday, May 28, 2020), the ESRs and those interested attended a soft-skill training on *Structured Working* given by H. Garbe which was followed by a soft-skill training on *Giving a high-impact presentation* given by T. Pusch. In the afternoon, two scientific/technical trainings were scheduled: *Short Pulse Technologies with Illustrative Applications*, given by key note speaker D. Giri, and *Introduction to Risk Analysis* given by M. Schaarschmidt. Those 4 online training sessions were attended by both the PETER ESRs and consortium members interested as well as ESRs from other (ETN) projects, such as ETN SAS, SCENT, and ETOPIA as indicated in the following table.



Training Session	PETER participants	Participants outside the PETER Project	Total participants
<i>Structured working</i>	29	16	45
<i>Giving a high-impact presentation</i>	26	13	39
<i>Short Pulse Technologies with Illustrative Applications</i>	28	54	82
<i>Introduction to Risk Analysis</i>	26	14	40

The ESRs ended this third day with an online social Kahoot Quiz where they could interact in a fun, social and informal environment.

The last day (Day 4 on Friday May 29, 2020) of this NWE I was dedicated to an interactive workshop regarding the PETER communication strategy evaluation and Intranet PODIO introduction given by the Project Manager.

The detailed agenda of this PETER Network Wide Event I can be found in **Annex 2**.



List of PETER NWE 1 participants (detailed daily overview in **Annex 3**):

First Name	Last Name	Affiliation
Fernando	Arduini	Fraunhofer INT - (ESR15)
Keith	Armstrong	Cherry Clough Consultants Ltd
Jeroen	Boydens	KU Leuven
Jochen	Bredemeyer	FCS
Zhao	Chen	Barco - ESR12
Tim	Claeys	KU Leuven
Mumpy	Das	UTwente - ESR4
John	Dawson	University of York
Ronny	Deseine	Barco
Lokesh	Devaraj	Horiba-Mira - ESR3
Alistair	Duffy	De Montford University
Priscila	Fernandez-Lopez	Valeo
Sven	Fisahn	LUH
Heyno	Garbe	LUH
Samikshya	Ghosalkar	LUH - ESR1
Vasso	Gkatsi	UTwente - ESR12
Hasan	Habib	KU Leuven - ESR5
Peter	Huntley-Hawkins	Lloyd's Register EMEA IPS
Qazi Mashaal	Khan	ESEO - ESR7
Mohsen	Koohestani	ESEO
Frederic	Lafon	Valeo
Frank	Leferink	UTwente
Mercedes	Leguey-Jimenez	REA Project Officer
Oskari	Leppäaho	Valeo - ESR8
Pejman	Memar	KU Leuven - ESR6
Arash	Nateghi	BDV - ESR2
Mark	Nicholson	University of York
Nancy	Omollo	RH Marine - ESR10
Richard	Perdriau	ESEO
Davy	Pissoort	KU Leuven
Hugo	Pues	Melexis
Thorsten	Pusch	Fraunhofer INT
Mohammed	Ramdani	ESEO
Akram	Ramezani	Melexis - ESR14
Alastair	Ruddle	Horiba-Mira
Martin	Schaarschmidt	BDV
Stephane	Stroobant	KU Leuven
Michael	Suhrke	Fraunhofer INT
Gerjo	Tannemaat	Nedap
Mohammad	Tishehzan	University of York - ESR11
Martin	Trefzer	University of York
Barbel	van den Berg	Medisch Spectrum Twente
Jan-Kees	van der Ven	RH Marine
Joost	van der Willik	Nedap
Jens	Vankeirsbilck	KU Leuven
Dries	Vanoost	KU Leuven
Arunkumar	Venkateshaiah	University of York - ESR9
Robert	Vogt-Ardatjew	UTwente



2. Welcome by Project Coordinator + Progress Report (May 26: 9:15 – 10:00)

The PETER Project Coordinator welcomed all the participants to this online PETER Network-Wide Event, followed by a quick Round Table ‘Who is who?’ of all the participants. After an overview of the 4-days agenda for this PETER Network-Wide Event, the Project Coordinator presented an overall view of the PETER Progress Report, such as the Project Consortium and the Project Governance, with specific attention to the following aspects and specific actions to be followed. The PPT presentation of this Agenda Item can be found in **Annex 4**.

2.1. PETER Supervisory Board

See also PETER Project Deliverable 7.4

The composition of the PETER Supervisory Board which consists of 2 Groups is given in the overview below:

Group 1 (1 vote per beneficiary):

- D. Pissoort (PC, KU Leuven)
- J. Boydens (VC, KU Leuven)
- T. Claeys (S/T C, KU Leuven)
- One representative from each Project Beneficiary:
 - R. Deseine (Barco)
 - H. Pues (Melexis)
 - H. Garbe (LUH)
 - M. Schaarschmidt (WIS)
 - M. Suhrke (FHG)
 - F. Leferink (Utwente)
 - J.K. van der Ven (RH Marine)
 - J. Dawson (UoY)
 - A. Ruddle (Horiba-Mira)
 - M. Ramdani (ESEO)
 - P. Fernandez-Lopez (Valeo)

Group 2 (no formal voting rights):

- S. Stroobant (PM, KU Leuven)
- One representative from each Partner Organisation:
 - J. Bredemeyer (FCS)
 - F. Leferink (Thales)
 - B. van den Berg (MST)
 - K. Armstrong (CCC)
 - P. Huntley-Hawkins (LR)
 - A. Duffy (DMU)
 - J. van der Willik (Nedap)
 - **Qazi Mashaal Khan as the ESR representative**

CHANGE to Deliverable 7.4

- **Qazi Mashaal Khan is the ESR representative from the ESRs Researchers Council.**

Action item:

* **Stephane Stroobant:** report the change regarding **Deliverable 7.4** to the EC.



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2.2. PETER ESRs and PETER Supervisory Committees

Amongst the 14 (out of 15) recruited ESRs, there are 8 nationalities; 5 out of 14 are female. ESR11, Mohammad Tishehzan, recently started on March 30, 2020 remotely from his home country Iran and is affiliated at the University of York. ESR13, Vasiliki Gkatsi, recently started on April 1, 2020 remotely from her home country Greece and is affiliated at University Twente. The ESR15 position at Fraunhofer had to be reopened after the summer of 2019. A candidate was selected in the beginning of 2020. The starting date for ESR15, Fernando Arduini, was foreseen on June 1, 2020. However, due to the current COVID-19 outbreak, the starting date for Fernando is postponed until further notice.

Overall, most of the recruited ESRs are on track regarding the specific research goals they have established in coordination with their supervisors. The fact that ESR15 still has to start has no major consequences on the work of the other 14 ESRs.

The composition of the 15 Supervisory Committees was reviewed and all committees are completed and confirmed at this moment.

An overview of all 15 Supervisory Committees is given on the next page.



[MSCA ETN PETER] ESRs - SUPERVISORY COMMITTEES				
ESR	Candidate	Host	Main Supervisor	Co-supervisors
ESR1	Samikshya Ghosalkar	LUH	H. Garbe	M. Suhrke (FHG), JK van der Ven (RHM)
ESR2	Arash Nateghi	WIS	M. Schaarschmidt	H. Garbe (LUH), R. Deseine (Barco)
ESR3	Lokesh Devaraj	Horiba-Mira	A. Ruddle	A. Duffy (DMU), M. Stojanovic (Valeo)
ESR4	Mumpy Das	UTwente	F. Leferink	B. van den Berg (MST), D. Pissoort (KU Leuven)
ESR5	Hasan Habib	KU Leuven	D. Pissoort	G. Vandenbosch (KU Leuven), R. Deseine (Barco)
ESR6	Pejman Memar	KU Leuven	J. Boydens	T. Holvoet (KU Leuven), B. van den Berg (MST)
ESR7	Qazi Mashaal Khan	ESEO	R. Perdriau	M. Koohestani (ESEO), H. Pues (Melexis)
ESR8	Oskari Leppäaho	Valeo	P. Fernandez-Lopez	M. Ramdani (ESEO), D. Pissoort (KU Leuven)
ESR9	Arunkumar Venkateshaiah	UoY	J. Dawson	M. Trefzer (UoY), H. Pues (Melexis)
ESR10	Nancy Omollo	RH Marine	JK van der Ven	F. Leferink (UTwente), P. Huntley-Hawkins (LR)
ESR11	Mohammad Tishehzan	UoY	M. Nicholson, J. Dawson	P. Huntley-Hawkins (LR), F. Leferink (UTwente)
ESR12	Zhao Chen	Barco	R. Deseine	D. Pissoort (KU Leuven), F. Sabath (WIS)
ESR13	Vasso Gkatsi	UTwente	F. Leferink	J. van der Willik (Nedap), F. Fernandez-Lopez (Valeo)
ESR14	Akram Ramezani	Melexis	H. Pues	W. Dehaene (KU Leuven), R. Perdriau (ESEO)
ESR15	<i>Fernando Arduini</i>	Fraunhofer	M. Suhrke	H. Garbe (LUH), F. Leferink (UTwente)

The changes in the PETER Supervisory Committees regarding the ETN PETER Grant Agreement Annex I Part B Description of the Action have already been reported with respective CVs and reasoning/motivation for these changes to the European Commission. These changes were reported and submitted to the European Commission as a Formal Notification on **June 22, 2020**.

Action item:

* **Fraunhofer:** follow up on the actual start date for ESR15 Fernando and further align with PETER Management Team.

2.3. Personal Career Development Plan

All recruited ESRs developed, in dialogue with their supervisors, a Personal Career Development Plan (PCDP). So far 10 signed PCDPs have been uploaded to the EC Participants Portal in January, 2020 via **Deliverable 5.2 PCDP Report**.



The signed PCDPs for ESR8, ESR11, ESR12, and ESR13 have been sent to the PM. Those 4 PCDPs will be added to the already submitted **Deliverable D5.2 PCDP Report** after approval by the Project Officer.

Progress reports of the PCDPs to PETER Supervisory Board are a 6 monthly recurring Deliverable and PCDP progress sessions will be organised during future PETER NWEs. The first progress report of the PCDPs to Supervisory Board has **due date July 31, 2020** and will be submitted to the EC Participants Portal via **Deliverable 5.3 Progress Report of PCDP to Supervisory Board**.

Action items:

* **Stephane Stroobant:** submit all updated and signed PCDPs to the EU H2020 Portal via **Deliverable D5.3 Progress Report of PCDP to Supervisory Board**.

2.4. Training and first secondments

An overview of the trainings already followed by the ESRs was given. Furthermore, the ESRs are following research-specific trainings and general (obligatory) trainings organized by their doctoral schools, as well as (international) scientific and soft-skill workshops outside the PETER Project.

At this online Network-Wide Event the following trainings were scheduled:

- S/T Training: *Short Pulse Technologies with Illustrative Applications* (D. Giri, guest lecture)
- S/T Training: *Introduction to Risk Analysis* (M. Schaarschmidt, WIS)
- Soft-skill Training I: *Structured Working* (H. Garbe, LUH)
- Soft-skill Training II: *Giving a high-impact presentation* (T. Pusch, Fraunhofer)

The first secondments for the ESRs were reviewed and discussed. The Project Coordinator explained the schedule, scope, rules and settings of the secondments as they are key items of ETN's. Within the scope of those secondments, the following aspects were highlighted:

- The total secondment period for each ESR is limited to a **maximum of 30%** of total ESR months declared and secondments should be held outside the host institute.
- Each ESR has one secondment in a different country and in a different sector (e.g. university and industry) while focusing on a different perspective and different facilities during those secondments.
- The Actual Secondment Period needs to be submitted at the H2020 Participant Portal (under the Tab 'Researchers') as soon as the Secondment Period has ended, not sooner.
- After each secondment a secondment report needs to be written by the ESR, and signed by the ESR and the Secondment Hosting Supervisor.



- Modifications (schedule changes, topic, location) can only be performed after previous approval and on request and should be communicated with the PM who reports this to the PO.

Due to the late start of some ESRs, recruitment delays and program logic, some schedule changes have been discussed for some of the planned secondments. Furthermore, due to the current COVID-19 outbreak, planned and rescheduled secondments in the months April – June 2020, are postponed until further notice.

The impact of the COVID-19 outbreak on the PETER planned and foreseen secondments was furthermore discussed at this online NWE 1 during the WP Parallel Sessions and at the Supervisory Board Meeting.

Each ESR will work out his/her secondment plan for the next coming year with respect to the highlights for each secondment mentioned above.

Action item:

*** All ESRs:** send your secondment plan for the period September 2020 – July 2021 to the Project Manager **no later than August 31, 2020.**

2.5. Ethics

The European Commission required the PETER Consortium to write a dedicated deliverable on ethical issues and potential dual use related to autonomous systems. This **Deliverable 8.1 GEN – Requirement No.1** has been written through collaboration between KU Leuven and University of York and has been uploaded to the EU H2020 Participant Portal on **April 1, 2020**. A voluntary ethical self-assessment by every ESR has been specified and an Ethical Board has been established which consists of the following members:

- KU Leuven: Prof. A. Vedder and Dr. T. Claeys
- University of York: Dr. M. Nicholson

2.6. Communication and Dissemination Outreach

PETER Project Visual Identity

To achieve the best dissemination and communication results, the following visual identification and tools need to be used: PETER Project Logo, PETER Project Templates (for PPT, scientific conference presentations, newsletters, project reporting and deliverables). Furthermore, the **EU Funding Acknowledgement is mandatory regarding all MSCA ETN PETER Project related activities**. Examples of these tools are given on the following page.





Pan-European Training, research and education network on ElectroMagnetic Risk management.



Pan-European Training, Research & Education Network on Electromagnetic Risk Management



Pan-European Training, research and education network on ElectroMagnetic Risk management.



EU H2020 MSCA-ETN PETER KICK-OFF MEETING – PART 1

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER Kick-Off Meeting
February 4-5 2020, BARCO KORTRIJK - BELGIUM



This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

Action item:

*** All:** Use all PETER Project Visual Identity tools and EU Funding Acknowledgement regarding MSCA ETN PETER Project related activities.

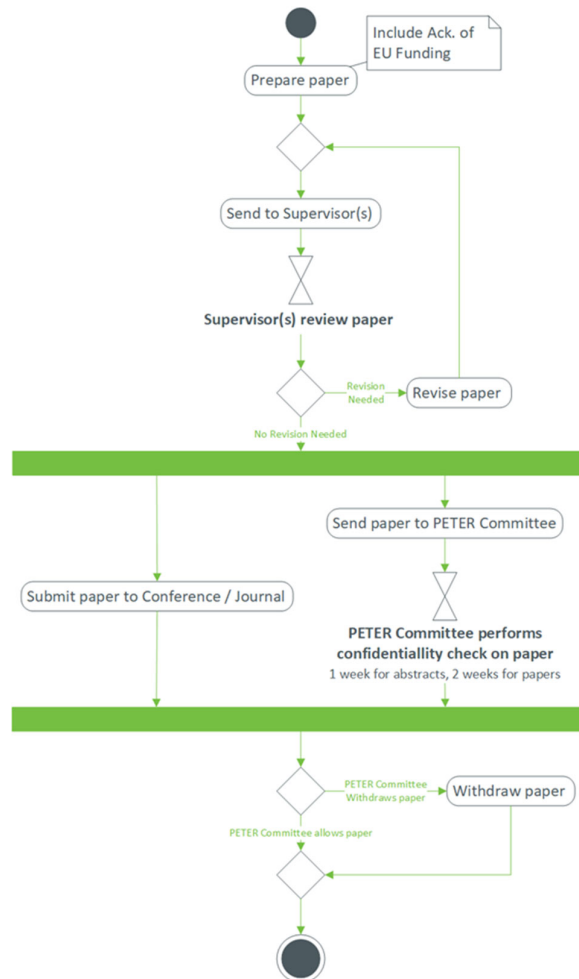


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<https://etn-peter.eu/>

Post, Paper Pre-submission Procedure, Post Paper Publishing Procedure (OPEN ACCESS) and PETER Papers Archiving System

Special attention was given again to the specific paragraph to be added in scientific dissemination (peer-review publications) and to the flowchart of the Paper Pre-submission Procedure. This specific paragraph and the PETER flowchart of this procedure is given below:

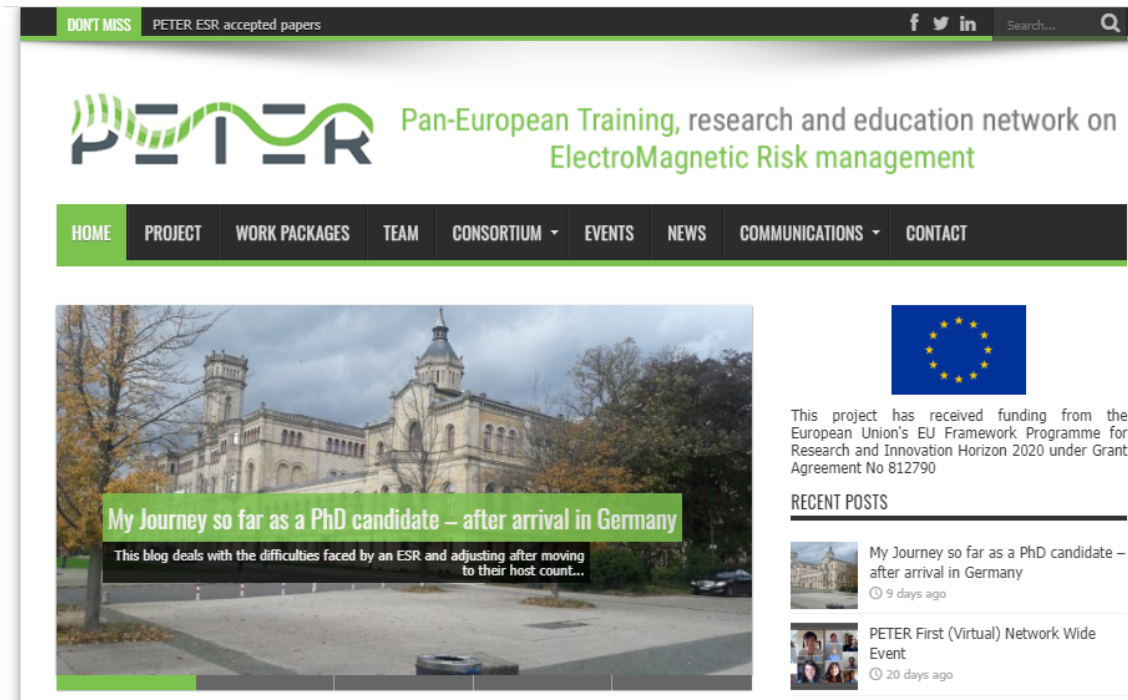
“The research leading to these results has received funding from the European Union’s Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 812.790 (MSCA-ETN PETER). This publication reflects only the authors’ view, exempting the European Union from any liability. Project website: <http://etn-peter.eu/>.”



A PETER Papers Archiving System (<http://papers.etn-sas.eu/user/login/>) has been set up that is automatically linked with the PETER Project Website. Through this Archiving System, the ESRs are able to upload their peer-reviewed papers (both conference and journal papers if applicable) which also allows to update the specific paper through the H2020 Participant Portal.

PETER Website

The new PETER-Website is online since September 1st, 2019 (a temporary website was available between June 27th, 2018 and September 1st, 2019).



The screenshot shows the PETER website homepage. At the top, there is a navigation bar with a 'DONT MISS' section for 'PETER ESR accepted papers', social media icons for Facebook, Twitter, and LinkedIn, and a search bar. Below this is the PETER logo and the full name: 'Pan-European Training, research and education network on ElectroMagnetic Risk management'. A secondary navigation bar contains links for HOME, PROJECT, WORK PACKAGES, TEAM, CONSORTIUM, EVENTS, NEWS, COMMUNICATIONS, and CONTACT. The main content area features a large image of a building with a green overlay containing the text 'My Journey so far as a PhD candidate – after arrival in Germany' and a sub-headline 'This blog deals with the difficulties faced by an ESR and adjusting after moving to their host count...'. To the right of the image is the European Union flag and a text box stating: 'This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No 812790'. Below this is a 'RECENT POSTS' section with two entries: 'My Journey so far as a PhD candidate – after arrival in Germany' (9 days ago) and 'PETER First (Virtual) Network Wide Event' (20 days ago).

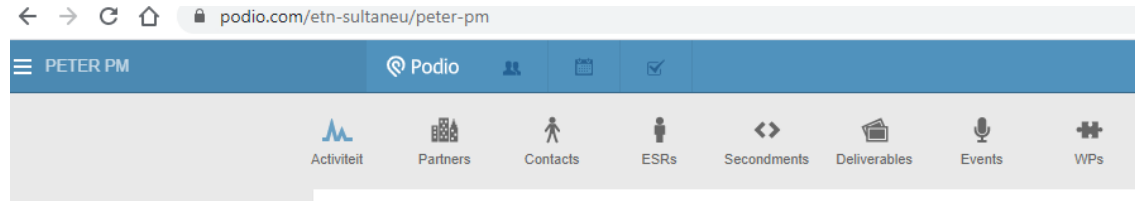
PETER Blogs, Social Media and Internal Communication (PODIO)

The ESRs are actively involved in communication and dissemination activities. So far, the ESRs have written and published 6 blog posts presenting their work for the general public. Furthermore, the ESRs have published several posts on Social Media (on PETER Facebook, Twitter and LinkedIn channels).



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A password-protected Intranet, **PODIO**, has been set up as an internal communication tool between the PETER Management Support Team and all ESRs. This developed Intranet is also a storage space for ESRs' PCDPs, RTDEs, Progress Reports, Deliverables, minutes of WP meetings, NWE reports,...



A special explanation and training/workshop regarding the **PETER Papers Archiving System** and **PODIO** was given to the ESRs on Day 4 of this online Network-Wide Event.

PETER Video

A PETER Promo Video will be developed and published during the second year of the PETER Project. This video will explain the project goals and present the team and the collaborating partners. More specifically, this video will be made in collaboration with Storyrunner. They are very acquainted with developing Marie Curie/Best Practice Award Winning Videos in collaboration with KU Leuven and they also made the first MSCA ETN SAS Promo Video, that can be viewed [here](#).

2.7. Project Deliverables and Milestones (submitted and upcoming)

An overview of the first Project Deliverables and Milestones from the H2020 Participant Portal was given to indicate this workflow and to point out that each beneficiary needs to take responsibility for the Deliverable and Milestone they are the lead for.

Furthermore, project Deliverables and Milestones were discussed during the parallel WP sessions with respect to the feasibility of the scientific and technical deliverables & milestones due to specific ESR recruitment delays and later than foreseen starting dates of ESRs. More information regarding these WP parallel sessions can be found under the next section.



3. WP Parallel Sessions + Overview (May 26: 10:15 – 11:40)

A session for WP parallel discussions for WP1-4 was organized where each appointed WP leader interacted with the ESRs, the Supervisors and the representatives of the Partner Organizations regarding the specific WP and its scientific aspects. The focus in each WP session consisted on the specific tasks, scientific deliverables, milestones, and the impact of the COVID-19 outbreak for each ESR and within each WP. The PPT presentation and outcome regarding these WP parallel sessions can be found in **Annex 5**.

This session was followed by an interactive Q&A session between WPs to clarify some technical aspects and practicalities.

4. MST Supervisory Board Meeting (May 26: 12:00 – 13:00)

During this part of the NWE, all PETER Supervisory Board members present, the ESR representative Qazi Mashaal Khan included, joint together for the **Annual SB meeting**, as also foreseen under Milestone 7 of the PETER Project. The Agenda for this Supervisory Board Meeting can be found in **Annex 6**.

The outcome and minutes of this Supervisory Board Meeting are described below.

Agenda items + outcome:

1. ESR15 Position at Fraunhofer
 - Fernando Arduini is waiting for his visa and the approval from the EU to travel to Germany to start working at Fraunhofer.
 - Fernando will be able to follow the same trainings as the other PETER ESRs already have followed.
 - Secondments plan for Fernando will be further aligned, together with a foreseen mitigation plan.
 - Non-disclosure agreement will be prepared between Fraunhofer and Fernando for following this online PETER Network-Wide Event 1 on May 26-29, 2020.
 - Possible Amendment for the late start of Fernando due to COVID-19 outbreak will be further investigated.



2. Impact of COVID-19 crisis on the PETER Project and on the secondments
 - The impact of the COVID-19 outbreak on the PETER planned and foreseen secondments was furthermore discussed during this Supervisory Board Meeting.
 - Planned/foreseen secondments are postponed until further notice.
 - Each ESR will be responsible for making his/her secondment plan for the next coming year of the PETER Project.
3. Paper Presubmission Procedure
 - The flowchart of the paper presubmission procedure was reviewed and approved.
4. ESRs Payments
 - No known issues.
5. Ethics Deliverable:
 - Ethics assessment for each ESR is recommended.
6. Deliverable 5.3: Progress report of PCDP to Supervisory Board
 - Deliverable 5.3 with due date July 31, 2020 will contain the update of the PCDPs of the ESRs that already started on the PETER Project.
7. PETER Promo Video:
 - PETER Promo Video will be developed in collaboration with Storyrunner.
 - The filming is foreseen in September-October 2020.
 - 2 ESRs, Pejman and Vasso, will be the leading presenters in this PETER Promo Video.
8. Any other Business:
 - No remarks/comments were added to this Supervisory Board Meeting.



5. Welcome by REA Project Officer and Project Coordinator - REA PO Presentation (May 26: 14:00 – 15:00)

On Tuesday, May 26, at 2pm, the PETER Consortium + ESRs welcomed online the REA Project Officer Mercedes Leguey Jiménez. After a quick tour de table where each PETER Consortium member and ESR presented themselves to the REA Project Officer, the Project Officer gave a presentation on the monitoring of the PETER project implementation, the PETER reporting and the purpose of the Mid-Term Check. This PPT presentation can be found in **Annex 7**.

6. Coordinator's report (May 26: 15:00 – 15:30)

In this session, the Coordinator presented the PETER Consortium & Mid-Term Progress Report with attention to the following aspects: PETER Consortium, Scientific Objective, General Scientific/Technical Progress, Training, Recruitment, Project Management, Communication and Dissemination, and Deliverables & Milestones. The PETER Progress Report, submitted under **Deliverable 7.5 Progress Report**, was the basis for this Coordinator's report and was furthermore the starting point for the REA Project Officer regarding her feedback with respect to the PETER Mid-Term Review Meeting. The PPT presentation of this Coordinator's report can be found in **Annex 8**.

7. Individual ESRs presentations (May 26: 15:45 – 17:00 + May 27: 9:00 – 10:15)

During this part of the Mid-Term Project Review Meeting, the ESRs presented themselves, their background, their specific ESR position and role within the project, and their scientific progress as fellow within the PETER Project. All presentations were of high quality while bright ideas regarding their outreach contribution and future career as MSCA fellow were highly appreciated. The PPT Template regarding the individual ESRs presentations can be found in **Annex 9**.



8. Confidential discussions with Project Officer and ESRs (May 27: 10:15 – 11:30)

In this confidential meeting, all PETER ESRs were able to discuss with the REA Project Officer regarding their experiences within the PETER Project in terms of administration, supervision and integration, training, progress, and the impact on their future careers.

9. Feedback REA Project Officer (May 27: 12:00 – 13:00)

After the confidential discussions between the Project Officer and the PETER ESRs, all PETER Consortium members and ESRs joint together for the final session regarding the PETER Mid-Term Review Meeting. In this session, the REA Project Officer Mercedes Leguey Jiménez gave her feedback on the output of the PETER Project so far, on possible training areas for future exploitation, and on the impact on fellows' future careers development.

The recommendations from the Project Officer following the Mid-Term Progress Report have been sent via the **H2020 Participants Portal Communication Tab**. Further actions regarding these recommendations will be followed up by the PETER Management Support Team and carried out towards the PETER Consortium in order to further align the PETER Project implementation. Those recommendations can be found in **Annex 1**.

10. ESRs Council (May 27: 14:00 – 15:00)

The 14 ESRs present at this online NWE were able to discuss project-related topics between them in order to facilitate interaction between them during this first ESR Council. They were able to share experiences in their research, as well as discuss regarding training, communication, and project management.

A president (Qazi Mashaal Khan) and secretary (Arunkumar Venkateshaiah) were appointed to moderate this ESR Researchers Council and to prepare a short report as a basis for communicating to the Supervisory Board. The report of this first ESR Council can be found in **Annex 10**.



11. Conclusions of the meeting + project next steps (May 27: 15:30 – 16:00)

During this part of the online Network-Wide Event, a presentation was given by the PETER Project coordinator regarding the conclusions of this PETER Project and Mid-Term Review Meeting, and PETER Project next steps. This PPT presentation can be found in **Annex 11**.

12. NWE 1: Day 3-4 ESRs Soft-skill and S/T Trainings (May 28-29)

The final two days of this online Network-Wide Event consist of technical and soft-skill trainings for the ESRs, and on the PETER communication strategy evaluation and PODIO Intranet introduction.

On day 3, Thursday May 28, 2020, the ESRs attended the 4 following online Soft-Skill and S/T trainings:

- *Structured Working* given by Heyno Garbe (LUH)
- *Giving a high-impact presentation* given by Thorsten Pusch (Fraunhofer)
- *Short Pulse Technologies with Illustrative Applications* given by Dave Giri (guest lecture)
- *Introduction to Risk Analysis* given by Martin Schaarschmidt (WIS)

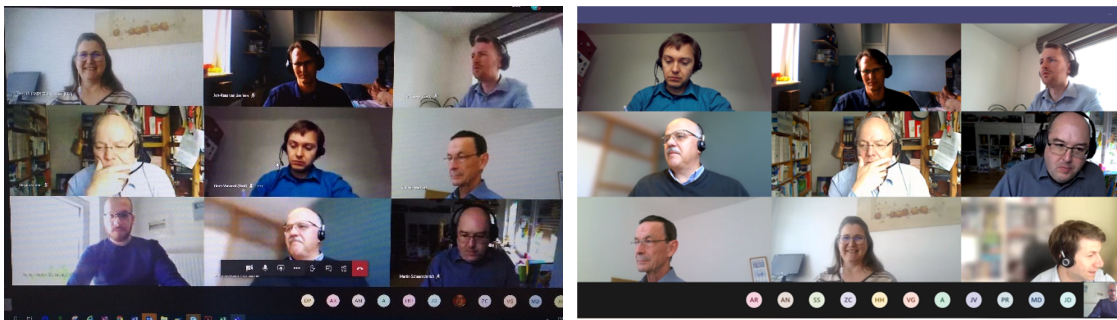
The ESRs ended this third day with an online Kahoot Quiz Social Activity where they could strengthen their teamwork in an informal gaming environment.

The last day, Friday, May 29, 2020, consist of a 1h30 Interactive Workshop where the PETER communication strategy was evaluated and where the PODIO Intranet introduction was explained by the Project Manager to the ESRs.



13. Photos online MSCA ETN PETER Network-Wide Event 1

May 26-29, 2020



This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No 812.790. <https://etn-peter.eu/>

NWE 1
Agenda Day 3-4 (Thu-Fri, May 28-29)

THURSDAY 28.05.2020 – Day 3: S/T Trainings and Soft-Skill Trainings
ESRs + Optional: Management Support Team + Supervisors & their colleagues

Time	Topic	Facilitator	Notes
08:00 - 08:30	Soft-Skill Training: Emotional Resilience	A. D. D. D.	Zoom
08:30 - 09:00	Soft-Skill Training: Giving a High-Impact Presentation	J. P. P.	Microsoft Teams
09:00 - 09:30	S/T Training: Short Pulse Technology with High-Voltage Apparatus	D. G. G.	Microsoft Teams
09:30 - 10:00	S/T Training: Introduction to Risk Analysis	M. S. S.	Microsoft Teams
10:00 - 10:30	Soft-Skill Training: Self-Reflection	S. P. P.	Zoom

FRIDAY 29.05.2020 – Day 4: Communication strategy evaluation + PO2IO
ESRs + S/T Manager + Project Manager + Communication Manager

Time	Topic	Facilitator	Notes
09:30 - 11:00	Communication strategy evaluation: Introduction to PO2IO and its application in the existing system	J. P. P.	Microsoft Teams

MSCA-ETN PETER NWE 1 May 26-29, 2020

SOFT-SKILL TRAINING: GIVING A HIGH-IMPACT PRESENTATION

Dr. Thorsten Pusch
Business Unit „Electromagnetic Effects and Threats“, Fraunhofer INT (Germany)

PETER
NETWORK-WIDE EVENT 1
May 26th–29th 2020

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

Fraunhofer INT



This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No 812.790.
<https://etn-peter.eu/>

14. Survey PETER NWE 1, May 26-29 2020, Online Meetings

After the online PETER NWE I, a short online survey has been sent to all the participants to obtain valuable feedback in order to further improve the quality of future network wide events. A part of this survey can be found in **Annex 12**.

Survey results (23 respondents (out of 39); 1 to 5 scale with 1 = Poor and 5 = Excellent)

Subject	Item	Average
Content	Progress Report Presentation	4.78
	WP Parallel sessions	4.62
	Supervisory Board Meeting	4.65
	ESR Pitch Presentations	4.61
Online Meetings	Microsoft Teams as online meeting platform	4.54
	Organisation of all online meetings	4.68
Social Program	ESR online activity “Kahoot Quiz”	4.33
ESR Trainings (9 respondents (out of 14))	“Structured Working” by prof. Garbe	4.22
	“Giving a high-impact presentation” by T. Pusch	4.88
	“Short Pulse Technologies with Illustrative Applications” by Dr. Giri	4.11
	“Introduction to Risk Analysis” by M. Schaarschmidt	3.90

Some survey comments:

- Excellent preparation and presentation, thanks!
- The meetings went well. Too bad a physical interaction was not a possibility.
- Very nicely organized, went smooth! Nice atmosphere, very constructive and pleasant! ESR presentations: All went well given the current stage of their career.
- Well done! Thank you!...
- ... and hopefully next time as a physical on-site meeting including the informal social contacts between the PETER participants.
- Microsoft Teams drops nicely the extra video streams first and has priority for voice, presentation, and speakers video stream in this correct order.
- Very useful trainings. The soft skill trainings were really helpful and effective.
- Some trainings on risk analysis of complex systems would be of benefit at least for 3 ESRs.



15. Table overview with Annexes + Annexes

Annex 1	Recommendations Mid Term Check by the PO
Annex 2	Detailed Agenda PETER NWE 1 May 26-29, 2020
Annex 3	List of PETER Network-Wide Event 1 participants
Annex 4	PPT Presentation "Welcome + Progress Report"
Annex 5	PPT Presentation "WP1-4 Parallel Sessions + outcome"
Annex 6	Agenda "Supervisory Board Meeting" May 26, 2020
Annex 7	PPT Presentation "PETER Mid-Term Check_ Project Officer"
Annex 8	PPT Presentation "Coordinator's report"
Annex 9	PPT Template "ESR Pitch Presentation"
Annex 10	Report ESR Council Network-Wide Event 1 May 27, 2020
Annex 11	PPT Presentation "Conclusions of the NWE + next steps"
Annex 12	PETER NWE 1 Survey form



Annex 1

Recommendations Mid Term Check by the PO



EUROPEAN COMMISSION
RESEARCH EXECUTIVE AGENCY

Excellent Science
Marie Skłodowska-Curie Innovative Training Networks

PETER 812790 Recommendations/feedback after the Mid-term Check meeting of 26-27 May 2020 (online event via Microsoft Teams).

During the meeting day were discussed and orally communicated the following reminders, clarifications and recommendations:

- Most of the researchers, excepting ESR15 have been recruited within the first year of the project, although some recruitments have been delayed regarding the expected date in Annex I. The GANTT chart needs to be updated in order to reflect the actual recruitment dates and updated secondments also.
- Regarding ESR15, which has already been identified it is expected to join asap once the travel restrictions due to covid-19 are lift. As part of the measures concerning covid- implications in the implementation of the project, an amendment to the Grant Agreement might be requested in order to extend the duration of the project so ESR15 can have a full 36 months' time spent within the project.
- All secondments need to be encoded in the Portal, in the Researches declaration tab, only once the secondment is completed so it can reflect actual dates. As a reminder, recruited researchers can be seconded to other beneficiaries and/or to partner organisations for a total maximum duration of 30% of their recruitment period. In case new needs are created, the addition of new partner organisations to the consortium is possible by sending via the Portal a letter of commitment duly signed by the legal representative, explaining their will to join the consortium and the specific activities to be carried out in it (secondments, trainings, etc.).
- All beneficiaries must ensure that contracts of all recruited ESRs contains all points settled in Art. 32 of the Grant Agreement. A copy of the contract in a language understandable by the ESR (English is fine) should be provided to the fellows who did not received by the time of signature of the contract.
- Any tuition fees related to the PhD enrolment or visa fees are to be covered by the institutional costs and not from the ESRs. In case of amounts mistakenly charged to the ESRs, these must be reimbursed .
- For those ESRs hosted in a country with a language not knowledgeable to the ESR, language courses are advisable to help the integration in the environment. These courses must be paid from Institutional costs.
- Teaching activity as part of the research training, is foreseen in Annex 1 of the GA, but must not jeopardise the research training activities and must be agreed by the fellow and the supervisor.
- As a reminder, the eligibility of the ESRs is sole responsibility of the beneficiaries and despite eligibility rules and mobility rule have been checked at the time of the recruitment, In case the

Type the address here.

Commission européenne/Europese Commissie, 1049 Bruxelles/Brussel, BELGIQUE/BELGIË - Tel. +32 22991111
Office: COV2 16/072 - Tel. direct line +32 229-56335

Mercedes.LEGUEY-JIMENEZ@ec.europa.eu

fellow is not eligible all costs related to him/her are not valid. In case of an audit all documents proving that the recruitment procedure was open, transparent and fair, and that the eligibility requirements have been complied with must be provided. These documents must be kept for 5 years after the closure of the project.

- The project website must be regularly updated with relevant information concerning the purpose and scope of the project, planned activities, scientific and social implications and results performed. Links to the publications could be implemented. Also links to social media related to Marie Skłodowska-Curie actions are encouraged. Other social media could also be considered to communicate activities of the project (Twitter, Youtube...)
- Open access to peer-reviewed publications must be ensured. Make sure to comply with OpenAccess requirements (green/gold open access, DOI, links in the system) for all current and envisaged peer-reviewed publications. Make sure that link to the publication and/or DOI and link to the open access repository (i.e. Zenodo) - where applicable - are provided per reported publication, are working and give access to a full-text version of the publication. Also embargo periods - if any and within the H2020 limits - and fees - if any - need to be encoded through the Continuous Reporting tool (even in zero cases).
- Any deviation must be communicated in advance to the Project Officer for agreement to the proposed changes.
- The EU logo and acknowledgment of funding must be present in any communication activity and dissemination of results in any form, including electronic (see Art. 29.4 of GA).
- The amendment regarding the termination of NEDAP as beneficiary, and transfer of the ESR13 position to UTwente is ongoing.
- Deliverables:
 - * D5.2 - 15 Personal Career Development Plans (PCDP) to be updated and submitted when ESR15 starts.
 - * D5.11 - PETER Special Session at the Safety Critical Systems Symposium- to be submitted.

As a kind reminder for the periodic reporting, any deviation in comparison to the original DoA (e.g. any delay in deliverables' submission and/or milestone...) must be briefly justified in the relevant section. In addition, the coordinator will have to report also there on how the recommendations coming from the mid-term check meeting were addressed.

The REA Project Officer

Mercedes Leguey Jiménez

Annex 2

Detailed Agenda PETER NWE 1 May 26-29, 2020



Pan-European Training, research and education
network on ElectroMagnetic Risk management.

MSCA ETN PETER

Network Wide-Event 1 + Mid-Term Project Review Meeting with Project Officer

May 26-29, 2020

DETAILED AGENDA

Online Meetings through Microsoft Teams Links

Background: Due to the actual COVID-19 crisis, it is impossible to have a Face2Face Mid-Term Project Review Meeting in Euskirchen as planned.

The Agenda on the next 3 pages is to overcome this restriction by shifting to online meetings for the Mid-Term Project Review Meeting with the PETER Project Officer. **Each meeting link gives you access through Microsoft Teams to that specific Online Meeting.**



Pan-European Training, research and education network on ElectroMagnetic Risk management.

TUESDAY 26.05.2020 – Day 1 AM

ESRs + Supervisors & their colleagues + Partner Organizations + Management Support Team

Time	Agenda Item	Participants	Microsoft Teams Link
9:15 - 10:00	Welcome by Project Coordinator + Progress Report	Consortium members + ESRs	Meeting link
10:15 - 11:15	WP Parallel Sessions: 4 S/T Work Packages (one meeting/WP)		
	WP1	ESRs + (co-)supervisors WP1	Meeting link WP1
	WP2	ESRs + (co-)supervisors WP2	Meeting link WP2
	WP3	ESRs + (co-)supervisors WP3	Meeting link WP3
	WP4	ESRs + (co-)supervisors WP4	Meeting link WP4
11:25 - 11:40	WP Overview Parallel Sessions: Overview	Consortium members + ESRs	Meeting link
12:00 - 13:00	MST Supervisory Board Meeting	Consortium members + Qazi (ESR7)	Meeting link

TUESDAY 26.05.2020 – Day 1 PM: Mid-Term Project Review Meeting with PO

ESRs + Supervisors & their colleagues + Partner Organizations + Management Support Team + Project Officer (from 14:00)

Time	Agenda Item	Participants	Microsoft Teams Link
14:00 - 14:05	Welcome by REA Project Officer and Project Coordinator	Consortium members + ESRs + PO	Meeting link
14:05 - 14:25	Tour de table: introduction of all consortium members present		
14:25 - 14:45	REA PO presentation: presentation on the monitoring of project implementation, reporting and purpose of the mid-term check		
14:45 - 15:00	Questions & Answers		
15:00 - 15:30	Coordinator's report: presentation of the Consortium & Mid-Term Progress Report (scientific, training and management)		
15:45 - 17:00	Individual ESRs presentations (5-7 min + 2 min Q&A) - 8 ESRs		



Pan-European Training, research and education network on ElectroMagnetic Risk management.

WEDNESDAY 27.05.2020 – Day 2

ESRs + Supervisors & their colleagues + Partner Organizations + Management Support Team + Project Officer (until 13:00)

Time	Agenda Item	Participants	Microsoft Teams Link
9:00 - 10:15	Individual ESRs presentations (5-7 min + 2 min Q&A) – 7 ESRs	Consortium members + ESRs + PO	Meeting link
10:30 - 11:45	Confidential discussions with PO and all fellows	ESRs + PO	Separate private link
12:00 - 13:00	Feed-back and Q&A between Project Coordinator / MST / PETER Partners and Project Officer	Consortium members + ESRs + PO	Meeting link
14:00 - 15:00	ESRs Council	ESRs	Meeting link
15:30 - 16:00	Conclusions of the meeting + project next steps	Consortium members + ESRs	Meeting link

THURSDAY 28.05.2020 – Day 3: S/T Trainings and Soft-Skill Trainings

ESRs + Optional: Management Support Team + Supervisors & their colleagues

Time	Agenda Item	Participants	Microsoft Teams Link
9:00 - 10:15	Soft-Skill Training: <i>Structured Working (H. Garbe)</i>	ESRs and those interested	Meeting link
10:45 - 12:00	Soft-Skill Training: <i>Giving a high-impact presentation (T. Pusch)</i>	ESRs and those interested	Meeting link
13:00 - 14:30	S/T Training: <i>Short Pulse Technologies with Illustrative Applications (D. Giri)</i>	ESRs and those interested	Meeting link
15:00 - 16:30	S/T Training: <i>Introduction to Risk Analysis (M. Schaarschmidt)</i>	ESRs and those interested	Meeting link
19:00 - ...	ESRs Online Activity: Kahoot Quiz	ESRs	Meeting link



Pan-European Training, research and education
network on ElectroMagnetic Risk management.

FRIDAY 29.05.2020 – Day 4: Communication strategy evaluation + PODIO

ESRs + S/T Manager + Project Manager + Communication Manager

Time	Agenda Item	Participants	Microsoft Teams Link
9:30 - 11:00	Communication strategy evaluation Introduction to PODIO Intranet Introduction to Paper Archiving System <i>(S. Stroobant/J. Vankeirsbilck)</i>	ESRs	Meeting link



This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

Annex 3

List of PETER Network-Wide Event 1 participants

[MSCA ETN PETER] NWE 1 May 26-29 2020 Online Event

Attendance list May 26-27, 2020 - Online plenary meetings through Microsoft Teams

First Name	Last Name	Affiliation	MAY 26, 2020	MAY 27, 2020
Fernando	Arduini	Fraunhofer INT - (ESR15)	x	x
Keith	Armstrong	Cherry Clough Consultants Ltd	x	-
Jeroen	Boydens	KU Leuven	x	x
Jochen	Bredemeyer	FCS	-	-
Zhao	Chen	Barco - ESR12	x	x
Tim	Claeys	KU Leuven	x	x
Mumpy	Das	UTwente - ESR4	x	x
John	Dawson	University of York	x	x
Ronny	Deseine	Barco	x	x
Lokesh	Devaraj	Horiba-Mira - ESR3	x	x
Alistair	Duffy	De Montford University	x	x
Priscila	Fernandez-Lopez	Valeo	-	-
Sven	Fisahn	LUH	x	-
Heyno	Garbe	LUH	x	x
Samikshya	Ghosalkar	LUH - ESR1	x	x
Vasso	Gkatsi	UTwente - ESR12	x	x
Hasan	Habib	KU Leuven - ESR5	x	x
Peter	Huntley-Hawkins	Lloyd's Register EMEA IPS	x	-
Qazi Mashaal	Khan	ESEO - ESR7	x	x
Mohsen	Koohestani	ESEO	x	x
Frederic	Lafon	Valeo	-	-
Frank	Leferink	UTwente	x	x
Mercedes	Leguey-Jimenez	REA Project Officer	x	x
Oskari	Leppäaho	Valeo - ESR8	x	x
Pejman	Memar	KU Leuven - ESR6	x	x
Arash	Nateghi	BDV - ESR2	x	x
Mark	Nicholson	University of York	x	x
Nancy	Omollo	RH Marine - ESR10	x	x
Richard	Perdriau	ESEO	x	x
Davy	Pissoort	KU Leuven	x	x
Hugo	Pues	Melexis	x	x
Thorsten	Pusch	Fraunhofer INT	x	x
Mohammed	Ramdani	ESEO	x	x
Akram	Ramezani	Melexis - ESR14	x	x
Alastair	Ruddle	Horiba-Mira	x	x
Martin	Schaarschmidt	BDV	x	x
Stephane	Stroobant	KU Leuven	x	x
Michael	Suhrke	Fraunhofer INT	x	x
Gerjo	Tannemaat	Nedap	-	-
Mohammad	Tishehzan	University of York - ESR11	x	x
Martin	Trefzer	University of York	-	-
Barbel	van den Berg	Medisch Spectrum Twente	x	x
Jan-Kees	van der Ven	RH Marine	x	x
Joost	van der Willik	Nedap	-	-
Jens	Vankeirsbilck	KU Leuven	x	x
Dries	Vanoost	KU Leuven	x	x
Arunkumar	Venkateshaiah	University of York - ESR9	x	x
Robert	Vogt-Ardatjew	UTwente	x	x
			42	39

Annex 4

PPT Presentation “Welcome + Progress Report”



Pan-European Training, research and education network on ElectroMagnetic Risk management.

EU H2020 MSCA-ETN PETER NETWORK WIDE EVENT 1
MAY 26-29, 2020 – ONLINE EVENT



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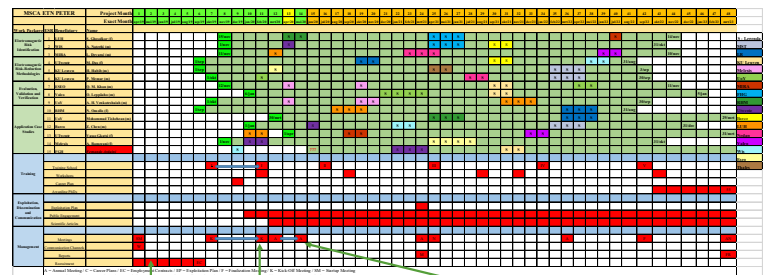
MSCA-ETN PETER NWE 1

May 26-29, 2020



Welcome by Project Coordinator + Progress Report (9:15-10:00)

PETER Gantt Chart (M1 = April 2019)



PETER Recruitment Event
Bruges, 14-15/05/2019

PETER Kick-Off
Barco, Kortrijk 4-5/02/2020

PETER NWE 1,
Mid-Term Review
Online Meetings, 26-29/05/2020

NWE 1



Agenda Day 1: AM (Tue, May 26)

5

TUESDAY 26.05.2020 – Day 1 AM

ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team

Time		Participants	Online
9:15 - 10:00	Welcome by Project Coordinator + Progress Report	All	Microsoft Teams
10:15 - 11:15	WP Parallel Sessions: 4 S/T Work Packages (one meeting/WP)	All	Microsoft Teams
11:25 - 11:40	WP Overview Parallel Sessions: Summary	All	Microsoft Teams
12:00 - 13:00	MST Supervisory Board Meeting	Supervisory Board Members	Microsoft Teams

MSCA-ETN PETER NWE 1

May 26-29, 2020

NWE 1



Agenda Day 1: PM (Tue, May 26)

6

TUESDAY 26.05.2020 – Day 1 PM: Mid-Term Project Review Meeting with PO

ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team + **Project Officer (from 14:00)**

Time		Participants	Online
14:00 - 14:05	Welcome by REA Project Officer and Project Coordinator	All + PO	Microsoft Teams
14:05 - 14:25	Tour de table: introduction of all consortium members present	All + PO	
14:25 - 14:45	REA PO presentation: presentation on the monitoring of project implementation, reporting and purpose of the mid-term check	All + PO	
14:45 - 15:00	Questions & Answers	All + PO	
15:00 - 15:30	Coordinator's report: presentation of the Consortium & Mid-Term Progress Report (scientific, training and management)	All + PO	
15:45 - 17:00	Individual ESRs presentations (5-7 min + 2 min Q&A) - 8 ESRs	All + PO	

MSCA-ETN PETER NWE 1

May 26-29, 2020

NWE 1



Agenda Day 2 (Wed, May 27)

7

WEDNESDAY 27.05.2020 – Day 2

ESRs + Supervisors & their colleagues + representatives of the Partner Organizations + Management Support Team + **Project Officer (until 13:00)**

Time		Participants	Online
09:00 - 10:15	Individual ESRs presentations (5-7 min + 2 min Q&A) – 7 ESRs	All + PO	Microsoft Teams
10:30 - 11:45	Confidential discussions with PO and all fellows	ESRs + PO	Microsoft Teams
12:00 - 13:00	Feed-back and Q&A between Project Coordinator / MST / PETER Partners and Project Officer	All + PO	Microsoft Teams
14:00 - 15:00	ESRs Council	ESRs	Microsoft Teams
15:30 - 16:00	Conclusions of the meeting + project next steps	All + PO	Microsoft Teams

MSCA-ETN PETER NWE 1

May 26-29, 2020

NWE 1



Agenda Day 3-4 (Thu-Fri, May 28-29)

8

THURSDAY 28.05.2020 – Day 3: S/T Trainings and Soft-Skill Trainings

ESRs + Optional: Management Support Team + Supervisors & their colleagues

Time		Presenter	Online
09:00 - 10:15	Soft-Skill Training: <i>Structured Working</i>	H. Garbe	Microsoft Teams
10:45 - 12:00	Soft-Skill Training: <i>Giving a high-impact presentation</i>	T. Pusch	
13:00 - 14:30	S/T Training: <i>Short Pulse Technologies with Illustrative Applications</i>	D. Giri	Microsoft Teams
15:00 - 16:30	S/T Training: <i>Introduction to Risk Analysis</i>	M. Schaarschmidt	Microsoft Teams
19:00 - ...	ESRs Online Activity: <i>Kahoot Quiz</i>	ESRs	Microsoft Teams

FRIDAY 29.05.2020 – Day 4: Communication strategy evaluation + PODIO

ESRs + S/T Manager + Project Manager + Communication Manager

Time		Presenter	Online
09:30 - 11:00	Communication strategy evaluation Introduction to PODIO Intranet Introduction to Paper Archiving System	S. Stroobant J. Vankeirsbilck	Microsoft Teams

MSCA-ETN PETER NWE 1

May 26-29, 2020

PETER NWE 1 - Online Meetings

9

- Thanks to ESEO for setting up the online meetings through Microsoft Teams.
- You have all received clickable links to the relevant meetings you are expected to join.
- Please respect the timetables mentioned in the Agenda and Slides.
- Please foresee a good internet connection for yourself and also turn on your webcam.
 - “direct contact” between all consortium members and ESRs despite the online set-up.
- Preferably use headset if you need to present

MSCA-ETN PETER NWE 1

May 26-29, 2020

PETER Supervisory Board

10

Group 1 (1 vote per beneficiary):

- D. Pissoort (PC, KU Leuven)
- J. Boydens (VC, KU Leuven)
- T. Claeys (S/T C, KU Leuven)
- One representative from each Project Beneficiary:
 - R. Deseine (Barco)
 - H. Pues (Melexis)
 - H. Garbe (LUH)
 - M. Schaarschmidt (WIS)
 - M. Suhrke (FHG)
 - F. Leferink (Utwente)
 - J.K. van der Ven (RH Marine)
 - J. Dawson (UoY)
 - A. Ruddle (Horiba-Mira)
 - M. Ramdani (ESEO)
 - P. Fernandez-Lopez (Valeo)

Group 2 (no formal voting rights):

- S. Stroobant (PM, KU Leuven)
- One representative from each Partner Organisation:
 - J. Bredemeyer (FCS)
 - F. Leferink (Thales)
 - B. van den Berg (MST)
 - K. Armstrong (CCC)
 - P. Huntley-Hawkins (LR)
 - A. Duffy (DMU)
 - J. van der Wilik (Nedap)
 - **Qazi Mashaal Khan as the ESR representative**

May 26-29, 2020

Recruited and started ESRs (14/15)

11

 Samikshya Ghosalkar ESR1 (Leibniz University Hannover) more about Samikshya	 Arash Nateghi ESR2 (Technisches Institut für Schweißtechnik) more about Arash	 Lokesh Devaraj ESR3 (Horiba Mira Ltd.) more about Lokesh	 Mumpy Das ESR4 (University of Twente) more about Mumpy
 Hasan Habib ESR5 (KU Leuven) more about Hasan	 Pejman Memar ESR6 (KU Leuven) more about Pejman	 Qazi Mashaal Khan ESR7 (ESEO) more about Qazi	 Oskari Leppälaho ESR8 (Valeo) more about Oskari

Recruited and started ESRs (14/15)

12

 Arunkumar H. Venkateshaiah ESR9 (University of York) more about Arunkumar	 Nancy Omollo ESR10 (RH Marine) more about Nancy	 Muhammad Tshahzad ESR11 (University of York) more about Muhammad	 Zhao Chen ESR12 (Barco NV) more about Zhao
 Vasiliki Gkatsi ESR13 (University of Twente) more about Vasiliki	 Akram Ramezani ESR14 (Désine) more about Akram	<p>Muhammad recently started on March 30, 2020.</p> <p>Vasso recently started on April 1, 2020.</p>	

Recruitment: ESR15 @Fraunhofer

13

- @Michael: status regarding the start of Fernando Arduini?



PETER Supervisory Committees

14

ESR	Candidate	Host	Supervisor	Co-supervisors/mentors
ESR1	Samikshya Ghosalkar (f)	LUH	<u>H. Garbe</u>	M. Suhrke (FHG), JK van der Ven (RHM)
ESR2	Arash Nateghi (m)	WIS	<u>M. Schaarschmidt</u>	H. Garbe (LUH), R. Deseine (Barco)
ESR3	Lokesh Devaraj (m)	Horiba-Mira	<u>A. Ruddle</u>	A. Duffy (DMU), M. Stojanovic (Valeo)
ESR4	Mumpy Das (f)	UTwente	<u>F. Leferink</u>	B. van den Berg (MST), D. Pissoort (KU Leuven)
ESR5	Hasan Habib (m)	KU Leuven	<u>D. Pissoort</u>	G. Vandenbosch (KU Leuven), R. Deseine (Barco)
ESR6	Pejman Memar (m)	KU Leuven	<u>J. Boydens</u>	T. Holvoet (KU Leuven), B. van den Berg (MST)
ESR7	Qazi Mashaal Khan (m)	ESEO	<u>R. Perdriau</u>	M. Ramdani (ESEO), H. Pues (Melexis)
ESR8	Oskari Leppäaho (m)	Valeo	<u>P. Fernandez-Lopez</u>	M. Ramdani (ESEO), D. Pissoort (KU Leuven)

PETER Supervisory Committees

15

ESR	Candidate	Host	Supervisors	Assessors/Mentors
ESR9	Arunkumar Hunasanahalli Venkateshaiah (m)	UoY	<u>J. Dawson</u>	M. Trefzer (UoY), H. Pues (Melexis)
ESR10	Nancy Omollo (f)	RH Marine	<u>JK van der Ven</u>	F. Leferink (Utwente), P. Huntley-Hawkins (LR)
ESR11	Mohammad Tishehzan (m)	UoY	<u>M. Nicholson</u> , John Dawson	P. Huntley-Hawkins (LR), F. Leferink (Utwente)
ESR12	Zhao Chen (m)	Barco	<u>R. Deseine</u>	D. Pissoort (KU Leuven), F. Sabath (WIS)
ESR13	Vasso Gkatsi (f)	UTwente	<u>F. Leferink</u>	J. van der Willik (Nedap), P. Fernandez-Lopez (Valeo)
ESR14	Akram Ramezani (f)	Melexis	<u>H. Pues</u>	W. Dehaene (KU Leuven), R. Perdriau (ESEO)
ESR15	<u>Fernando Arduini (m)</u>	Fraunhofer	<u>M. Suhrke</u>	H. Garbe (LUH), F. Leferink (Utwente)

PETER Supervisory Committees

16

All **changes** regarding the supervisory committees with respect to the **PETER GA Annex 1 Description of the Action** need to be reported to the European Commission with reasoning + CV's of the new (co-)supervisors if applicable.
More information through the PM.

Personal Career Development Plan

17

- All recruited ESRs developed, in dialogue with their supervisors, a Personal Career Development Plan (PCDP).
- 10 signed PCDPs have been uploaded to the participants portal (D5.2 PCDP Report) in January, 2020.
- Signed PCDPs for ESR8, ESR11, ESR12 and ESR13 have been sent to the PETER project manager and will be added to the already submitted Deliverable D5.2 PCDP Report after approval by the Project Officer.
- During PETER NWEs, PCDP progress sessions will be organised (ESRs & PETER Training Coordinator).
- Progress reports of the PCDPs to Supervisory Board are a 6 monthly recurring Deliverable.

MSCA-ETN PETER NWE 1

May 26-29, 2020

Training

18

- The ESRs are following research-specific trainings and general (obligatory) trainings organized by their doctoral schools, as well as (international) scientific and soft-skill workshops outside the project
- **ONLINE** Network-wide trainings scheduled during this NWE1 (M14):
 - **Soft-skill Training I: Structured working** (H. Garbe, LUH)
 - **Soft-skill Training II: Giving a high-impact presentation** (T. Pusch, Fraunhofer)
 - **S/T Training I: Short Pulse Technologies with Illustrative Applications** (D. Giri, guest lecture)
 - **S/T Training II: Introduction to Risk Analysis** (M. Schaarschmidt, WIS)

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May 26-29, 2020

First secondments (1)

19

ESR	Candidate	Host	Second 1	Period Second 1	Local Mentor Second 1	Second 2	Period Second 2	Local Mentor
ESR1	Samikshya Ghosalkar (f)	LUH	RHM	Sep – Okt 2020 (1m)	JK van der Ven	FHG	April - June 2021 (3m)	M. Suhrke
ESR2	Arash Nateghi (m)	WIS	UTwente	???	F. Leferink	FHG	April - June 2021 (3m)	M. Suhrke
ESR3	Lokesh Devaraj (m)	Horiba-Mira	LUH	November 2020 (1m)	H. Garbe	Nedap	Feb - April 2021 (3m)	J. van der Willik
ESR4	Mumpy Das (f)	UTwente	LR	Oct - Nov 2020 (2m)	???	Barco	Sep - Okt 2021 (2m)	R. Deseine
ESR5	Hasan Habib (m)	KU Leuven	ESEO	Postponed	???	Thales	April - May 2021 (2m)	F. Leferink
ESR6	Pejman Memar (m)	KU Leuven	UoY	Sep – Okt 2020 (1m)	J. Dawson	Nedap	July - Aug 2021 (2m)	J. van der Willik
ESR7	Qazi M. Khan (m)	ESEO	Melexis	???	H. Poes ???	KU Leuven	Sep - Oct 2021 (2m)	D. Pisssoort
ESR8	Oskari Leppäaho (m)	Valeo	UoY	Dec 20 - Mar 21 (4m)	J. Dawson	KU Leuven	Sep - Oct 2021 (2m)	D. Pisssoort

First secondments (2)

20

ESR	Candidate	Host	Second 1	Period Second 1	Local Mentor Second 1	Second 2	Period Second 2	Local Mentor
ESR9	Arunkumar H. Venkateshaiah (m)	UoY	Melexis	???	H. Poes ???	LUH	Oct - Dec 2021 (3m)	H. Garbe
ESR10	Nancy Omollo (f)	RHM	LUH	Aug - Oct 2020 (3m)	H. Garbe	LR	March - May 2022 (3m)	???
ESR11	Mohammad Tishezhan (m)	UoY	RHM	April - June 2021 (3m)	JK van der Ven	LR	March - May 2022 (3m)	???
ESR12	Zhao Chen (m)	Barco	UTwente	???	F. Leferink	WIS	Jan – Feb 2021 (2m)	???
ESR13	Vasso Gkatsi (f)	UTwente	LUH	???	H. Garbe	MIRA	Sep - Okt 2020 (2m)	A. Ruddle
ESR14	Akrom Ramezani (f)	Melexis	UTwente	???	F. Leferink	ESEO	April - July 2021 (4m)	???
ESR15	Fernando Arduini (m)	Fraunhofer	WIS	???	???	UTwente	Jan - March 2021 (3m)	F. Leferink

MSCA-ETN PETER NWE 1

May 26-29, 2020

First Secondments (3)

21

- Modifications (schedule changes, topic, location) can only be performed after PREVIOUS APPROVAL and on request and should be communicated with the PM who reports this to the PO !!
- Check if ESR's nationalities cause issues for the foreseen secondments and if specific procedures need to be followed
- Align the secondment timings with the institutions hosting secondments
- Confirm the modifications to the PM

First Secondments (4)

22

- Due to the current COVID-19 crisis, planned and rescheduled secondments in the months April – June 2020, are postponed until further notice.
- After each Secondment a Secondment Report needs to be written by the ESR, and signed by the ESR and the Secondment Hosting Supervisor.
 - Template will be sent out by Stephane.
- **IMPORTANT**
The Actual Secondment Period needs to be submitted at the H2020 Participant Portal (under the Tab 'Researchers') as soon as the Secondment has ended, so not sooner!

Ethics

23

- EC required us to write a dedicated deliverable on ethical issues and potential dual use for non-civil application of the project and risk-mitigation strategies must be included
- Deliverable 8.1 written through collaboration between KU Leuven, WIS, Fraunhofer and Univ. of York
- Ethics Deliverable 8.1 has been submitted on April 1, 2020.
- Voluntary ethical self-assessment by every ESR
- Ethical Board:
 - KU Leuven: Prof. A. Vedder, Dr. T. Claeys
 - UoY: Dr. M. Nicholson



24

Communication and Dissemination Outreach



PETER Project Visual Identity (1/3)

25

To achieve the best dissemination and communication results, the following visual identifications and tools need to be used:

PETER Project Logo



Pan-European Training, Research & Education
Network on Electromagnetic Risk Management

MSCA-ETN PETER NWE 1

May 26-29, 2020



PETER Project Visual Identity (2/3)

26

SAS Project Templates (for PPT, scientific conference presentations, newsletters, project reporting and deliverables)



Pan-European Training, research and education
network on ElectroMagnetic Risk management.



EU H2020 MSCA-ETN PETER
KICK-OFF MEETING – PART 1



MSCA-ETN PETER Kick-Off Meeting
February 4-5 2020, BARCO KORTRIJK - BELGIUM

MSCA-ETN PETER NWE 1

May 26-29, 2020



PETER Project Visual Identity (3/3)

27

EU funding acknowledgement



This project has received funding from the European Union's
EU Framework Programme for Research and Innovation
Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER NWE 1

May 26-29, 2020



Post

28

Scientific dissemination (peer-review publications) –
Specific paragraph to be added in acknowledgement
section – Publication procedure to be followed

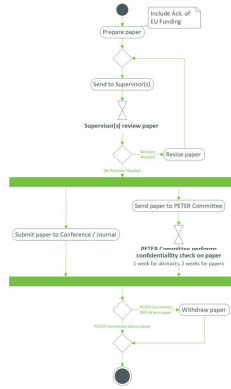
*"The research leading to these results has received funding from the European Union's
Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie
grant agreement No 812.790 (MSCA-ETN PETER). This publication reflects only the
authors' view, exempting the European Union from any liability. Project website:
<http://etn-peter.eu/>."*

MSCA-ETN PETER NWE 1

May 26-29, 2020

Paper Presubmission Procedure

29



MSCA-ETN PETER NWE 1

May 26-29, 2020

PETER Blogs, Social Media,...

30

- ESRs are involved in communication and dissemination activities.
- So far, the ESRs have written and published 6 blog posts presenting their work for the general public.
- They have published several posts on Social Media (on PETER Facebook, Twitter & LinkedIn channels)
- Leadership, Self-Organisation and creative ideas are needed here.
- ESR Researcher Council and informal moments during network-wide events ideal place/ moments to discuss these items and come up with new ideas.

MSCA-ETN PETER NWE 1

May 26-29, 2020

PETER Blogs and Social Media (e.g. Facebook, LinkedIn, Twitter, etc.)

31

Blog

Learning the Importance of Reproducible Results

It is important for a new Ph.D. student to understand how reproducibility works and how to contribute to the scientific community with results that are straight-forward to reproduce, and on which future work can be easily based.

[Read More >](#)

Facebook Post: MSCA ETN PETER • 161
#PEVDA
Although only in the first year of the PETER project, several PETER ESRs already have one or more papers accepted at diverse conferences!
<https://www.youtube.com/watch?v=L1jEceW29NQ>
#MSCA #ETN #PETER #EMCEurope #NewEMCSIRI

LinkedIn Post: PETER ESR accepted papers

MSCA-ETN PETER NWE 1

May 26-29, 2020

PETER Promo Video

32

- Example SAS project: <https://www.youtube.com/watch?v=L1jEceW29NQ>
- A PETER Promo Video will be developed and published during the second year of the PETER Project.
- This Video will explain the project goals, and present the team and the collaborating partners,
- This video will be made in collaboration with Storyrunner.
- **Hopefully** filming in September or October 2020.
- Video “launchable” by the end of this year.

MSCA-ETN PETER NWE 1

May 26-29, 2020

Project Deliverables

34

Submitted Deliverables

- D6.1 Project website
- D7.1 Internal/External Communication channels
- D7.3 Consortium Agreement
- D7.4 Supervisory Board of the Network
- D5.1 PETER Kick-Off Meeting
- D5.2 15 Personal Career Development Plans (PCDP) >> rejected because not all 15 ESRs have started at this moment.
- D7.2 Employment contracts with ESRs
- D8.1 GEN – Requirement No. 1
- D7.5 Progress report

MSCA-ETN PETER NWE 1

May 26-29, 2020



33 Deliverables & Milestones

Project Deliverables

35

Upcoming Deliverables

WPS	DS.7	DS9	PETER Training School II	PETER Training School IEB	LIJH	Other	Public	31 Jul 2020
WPS	DS.3	DS5	Progress report of PCDF to Supervisory Board	Progress report of PCDF to Supervisory Board	UoY	Report	Confidential, only for mem	31 Jul 2020
WPS	DS.12	DS4	PETER special sessions/workshops II	PETER Workshop at the EMC Europe Symposium	Hedap N.V.	Other	Public	30 Sep 2020
WPI	D1.1	D3	Basic description statistical electromagnetic	Basic description statistical electromagnetic r...	LIJH	Report	Public	31 Oct 2020
WPI	D1.1	D2	Overview of EM-relevant IEC61010 techniq	Overview of EM-relevant IEC61010 techniques II	KU Leuven	Report	Public	31 Oct 2020
WPI	D4.1	D4	EM-aware risk identification and assessme	EM-aware risk identification and assessment of...	Hedap N.V.	Report	Public	30 Nov 2020

Action:
Every beneficiary needs to take responsibility for the deliverable they are the lead for

Every beneficiary to check whether Due Dates are still feasible (especially for the S/T deliverables)

MSCA-ETN PETER NWE 1

May 26-29, 2020

Project Milestones

36

Milestones

Number	Name	Lead Beneficiary	Delivery Date (latest)	★	Achieved	Delivery Date (actual)	Comments
2	Start-up MT meeting	KU Leuven	30 Apr 2019	☑	☑	15 mei 2019	Start-up JTI meeting was held at the PETER Kick-Off Meeting on May 14-15, 2019 at Crowne Plaza, Bruges.
1	Internal and external communication	KU Leuven	30 Apr 2019	☑	☑	05 aug 2019	Deliverable 7.1 has been submitted regarding the PETER Internal and External Communication Channels
4	PETER Kick-Off Meeting/Training School I	BARCO NV	31 Oct 2019	☑	☑	05 feb 2020	PETER Kick-Off Meeting at BARCO had been postponed to February 4-5 2020.
5	Personal Career Development Plans	UoY	31 Dec 2019	☑	☑	13 jan 2020	Deliverable 5.2 has been submitted on January 13th, 2020. This Deliverable contains the first drafts of the signed PCDF of 12 PETER ESRs who already started. During future PETER INWs, PCDF progress sessions will be organized between the ESRs and the PETER Training Coordinator. Any possible updates regarding the Deliverable 5.2 of the signed PCDF will be added to the Progress Report Deliverable 5.3 (Mid-term Check Review).
3	Planned recruitments completed	KU Leuven	31 Mar 2020	☑	☑		ESR 19 (Fraunhofer) is expected to start on June 1, 2020.
6	Annual SB meeting I	KU Leuven	31 Mar 2020	☑	☑		The PETER Annual SB meeting I will be held at the next PETER Network-wide Event, at the end of May, 2020.
29	Project Check	KU Leuven	30 Jun 2020	☑	☑		
10	PETER Training School II	LIJH	31 Jul 2020	☑	☑		

Action:
Every beneficiary needs to take responsibility for the milestone they are the lead for

Every beneficiary to check whether Due Dates are still feasible (especially for the S/T milestones)

MSCA-ETN PETER NWE 1

May 26-29, 2020

PETER Deliverables and Milestones

37

- Based on WP parallel sessions, so will be furthermore discussed during our Work Package Parallel Sessions.
- Deviation of the due dates of Deliverables and milestones: detailed information is needed why delayed, specify due dates, clarification why and how. "Deviation Template"

MITIGATION PLAN >>> ACTION PLAN

- Formal notifications regarding these changes are necessary through the EC Participant Portal in order to further align with the Description of the Action as stated in the PETER Grant Agreement Annex 1.



38

Introduction to S/T Work Packages Parallel Sessions

S/T Work Packages Parallel Sessions

39

□ PETER Scientific Work Packages 1-4

- Interaction between ESRs, Supervisors and the representatives of the Partner Organisations regarding the specific WP
 - Current research progress
 - Tasks within each WP
 - Scientific deliverables within each WP
 - Milestones within each WP
 - Secondment(s) for each ESR
 - **COVID-19 outbreak and impact for each ESR**
 - Q&A session to clarify technical aspects and practicalities

See/hear you all back at 10:15 for the S/T Work Packages Parallel Sessions

40

One meeting link / Work Package





41

S/T Work Packages Parallel Sessions (10:15 - 11:15)



42

WP Overview Parallel Sessions: Summary (11:25 - 11:40)



43

MST Supervisory Board Meeting (12:00 - 13:00)



See/hear you all back at 14:00

44



Annex 5

PPT Presentation “WP1-4 Parallel Sessions + outcome”



Pan-European Training, research and education network on ElectroMagnetic Risk management.



SCIENTIFIC WORK PACKAGES 1-4 PARALLEL SESSIONS - SUMMARY

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 8112790

MSCA-ETN PETER Network-Wide Event 1
May 26-29, 2020 – Online Event



2

S/T Work Packages Parallel Sessions (10:15 - 11:15)



S/T Work Packages Parallel Sessions

3

- **PETER Scientific Work Packages 1-4**
 - Interaction between ESRs, Supervisors and the representatives of the Partner Organisations regarding the specific WP
 - Current research progress
 - Tasks within each WP
 - Scientific deliverables within each WP
 - Milestones within each WP
 - Secondment(s) for each ESR
 - **COVID-19 outbreak and impact for each ESR**
 - Q&A session to clarify technical aspects and practicalities



4

WP Overview Parallel Sessions: Summary (11:25 - 11:40)

WP1: Electromagnetic Risk Identification

5

ESRs

- ESR1: Samikshya Ghosalkar (LUH)
- ESR2: Arash Nateghi (BDV)
- ESR3: Lokesh Devaraj (Horiba-Mira)

(Co-)Supervisors

- **Heyno Garbe - LUH**
- Sven Fisahn - LUH
- Martin Schaarschmidt - BDV
- Alastair Ruddle - Horiba-Mira
- + Representatives of Partner Organisations
- + Jens Vankeirsbilck - KU Leuven

WP1: Electromagnetic Risk Identification

6

Tasks

No.	Title	ESR
T1.1	Statistical Electromagnetic Risk Analysis of Large and Complex Systems, Development of Theoretical Description of Risk Assessment Methodologies	Samikshya Ghosalkar (LUH)
T1.2	Statistical Electromagnetic Risk Analysis of Large and Complex Systems, Experimental Analysis and Model Verification	Arash Nateghi (BDV)
T1.3	Risk-Based Automotive Electromagnetic Engineering Approach aligned with the ISO26262 Functional Safety Approach	Lokesh Devaraj (Horiba-Mira)

WP1: Electromagnetic Risk Identification

7

Deliverables

No.	Title	Lead	Type	Diss. Level	Due Date
D1.1	Basis description statistical electromagnetic risk assessment	LUH	Report	public	Oct. 20 (M 19)
D1.2	Unified ISO26262 electromagnetic risk analysis approach for functional safety and cyber-security	Horiba-Mira	Report	public	Feb. 22 (M 35)
D1.3	Validation report electromagnetic risk assessment methodologies	BDV	Report	public	May 22 (M 38)

WP1: Electromagnetic Risk Identification

8

Milestones

No.	Title	Lead	Means of verific.	Due Date
MS1.1 (N°11)	Theoretical basis for statistical risk assessment	LUH	Report available	Oct. 20 (M 19)
MS1.2 (N°16)	ISO26262 electromagnetic engineering approach applied to vehicle communications	Horiba-Mira	Report available	June 21 (M 27)
MS1.3 (N°24)	Statistical risk assessment validated	BDV	Statistical risk assessment successful for smart-grid case	May 22 (M 38)



WP 1 Objectives

Methodologies to identify how the risks and hazards related to EMI are encroaching on modern E/E/PE systems, considering both the system-under-development as its electromagnetic environment.

Task 1.1 Statistical Electromagnetic Risk Analysis of Large and Complex Systems



Many technological innovations like the industrial Internet-of-Things, Industry 4.0, Smart Grid and Smart City rely on the integration of sensors, computing devices, actuators and communication networks, resulting in complex interconnected systems-of-systems. Hence, the issue of unwanted electromagnetic interactions is strongly evident. Nowadays, in the study of these interactions basically only the topology of the system is taken into account. Non-technical aspects (accessibility, law regulations, specific environmental situations, properties of the existing infrastructure and/or buildings, etc.) can significantly influence the risks due to EMI. This task develops statistical EMI-aware risk-assessment methodologies that combine both technical and non-technical aspects.



Subtasks WP1

- Subtask 1.1.1: Statistical description of the risk-assessment methodologies (ESR1):
 - ▣ This subtask provides the theoretical background for an EMI-aware risk assessment of large interconnected systems.

ESR: Samikshya Ghosalkar (LUH)

Started in November 2019

ACTIONS:

- Nateghi and Ghosalkar will meet at LUH



Subtasks WP1

- Subtask 1.1.2: Experimental analysis and model verification (ESR2)
 - ▣ This subtask provides the experimental verification (appropriate measurement procedures and model validation) for the theoretical description developed in Subtask 1.1.1.

ESR: Arash Nateghi (WIS)

- Preliminary Security Clearance

Subtasks WP1

- Subtask 1.1.3: Risk-Based Automotive Electromagnetic Engineering Approach aligned with the ISO26262 Functional Safety Approach (ESR3)

ESR3: Lokesh Devaraj (Horiba-MIRA)

ACTIONS:

- *Secondment at LUH in November 2020 (unclear!)
→ Attend online Lecture Risk Management*
- *GoTo-Meeting-System at LUH for video conferences*
- *LUH-account for Ghosalkar*

Task 1.2: Electromagnetic Risk Analysis Approach aligned with ISO 26262 (ESR3)

As current automotive EMC engineering practice is essentially rule-based, it does not provide the robust and resilient solutions that are required for future vehicles that will be increasingly electrified, automated, highly connected, and ultimately self-driving. Transferring to a risk-based automotive EMC engineering approach requires that ISO 26262 risk and hazard identification tools such as fault-tree analysis (FTA) and failure-mode and effect analysis (FMEA) need to take EMI fully into account, instead of only considering them in terms of meeting the requirements of standard tests. Moreover, as there are similar electromagnetic impacts on the vehicle mission in the areas of human safety, functional safety and cyber security, the goal is to develop a unified approach that can be used across all these areas. The approach will rely heavily on the integration of computational electromagnetics results into the risk analysis.

Status ESR3

Scientific Deliverables

ESR3:

- Literature research
 - Statistical Methods applied for functional safety

ESR1 combined with ESR3

ESR2:

contact to FHG Lanzrath / SIEMENS

Deliverable Number ¹⁴	Deliverable Title	Lead beneficiary	Type ¹⁵	Dissemination level ¹⁶	Due Date (in months) ¹⁷
D1.1	Basic description statistical electromagnetic risk assessment	4 - LUH	Report	Public	19
D1.2	Unified ISO26262 electromagnetic risk analysis approach for functional safety and cyber-security	11 - MIRA	Report	Public	35
D1.3	Validation report electromagnetic risk assessment methodologies	5 - WIS	Report	Public	38

Reports should be published in L-EMCPA (section)

Scientific Deliverables

D1.1: Basic description statistical electromagnetic risk assessment (M19)

ACTIONS:

- *Deliverable Date: October 31, 2020*

Schedule of relevant Milestones

Milestone number ¹⁸	Milestone title	Lead beneficiary	Due Date (in months)	Means of verification
MS11	Theoretical basis for statistical risk assessment	4 - LUH	19	Report on statistical risk assessment available
MS16	ISO26262 electromagnetic engineering approach applied to vehicle communications	11 - MIRA	27	Report available
MS22	Guidelines for electromagnetic protection of critical infrastructures	6 - Fraunhofer	34	Guideline document available
MS24	Statistical risk assessment validated	5 - WIS	38	Statistical risk assessment successful for smart-grid case

Steps and next steps

- Literature research
 - ▣ PhD thesis Genender (next)
 - ▣ Papers Sabath → risk management
- Each ESR → short presentation at EMC Europe Rome
ESR3 presentation as a paper

ACTIONS:

- *Implementing a file sharing system for literature exchange*
 - ▣ *Schaarschmidt (FIS) checks possibility at HSU (not possible) → CITAVI (Fisahn)*
 - ▣ *Doodle for meeting scheduling*

Network-Wide Events

Training Schools (2 ECTS points):

- Training School II LUH M16 SB, MT, ESR, T, G
 - ▣ Organized by LUH
 - ▣ Location: Fraunhofer ITN Euskirchen

- Training School III UTwente M25 SB, MT, ESR, T, G
- Training School IV MIRA M34 SB, MT, ESR, T, G
- Training School V Valeo M42 SB, MT, ESR, T, G

Network-Wide Events

PETER Workshops and Special Sessions (1 ECTS point):

- PETER Special Session at Safety Critical Systems Symposium, UoY M11
- PETER Workshop at the EMC Europe Symposium, Nedap M18
- PETER Workshop at Joint IEEE EMC Symposium, KU Leuven M29
- PETER Special Session at the EMC Compo Conference, Melexis M32
- PETER Workshop at the IET International Conference on Systems Safety and Cyber-Security, FHG M43
- Main network meetings KU Leuven M7, M25, M48 SB, MT, ESR

Secondments

2-3 secondments of between 1 and 4 months at other organisations (each ESR has at least 6 months of secondments). Furthermore, the joint supervision arrangements with combined academic and industry supervisors will generate intensive interactions between the Participants.

ESR1: sept20 – oct20 RHM

ESR2: april20 to be postponed U-Twente (prob.1 year)

ESR3: Nov20 okay (COVID-19!) (visa!) → online Lecture

WP2: Electromagnetic Risk Reduction Methodologies

23

ESRs

- ESR4: Mumpy Das (Utwente)
- ESR5: Hasan Habib (KU Leuven)
- ESR6: Pejman Memar (KU Leuven)

(Co-)Supervisors

- Robert Vogt-Ardatjew - Utwente
- Davy Pissoort - KU Leuven
- **Jeroen Boydens - KU Leuven**
- + Representatives of Partner Organisations

WP2: Electromagnetic Risk Reduction Methodologies

24

Tasks

No.	Title	ESR
T2.1	Risk-Based EMI-Aware Design of Complex Systems	Mumpy Das (Utwente)
T2.2	IEC 61508 Techniques & Measures for EMI Risk Reduction, Hardware-based Techniques & Measures	Hasan Habib (KU Leuven)
T2.3	IEC 61508 Techniques & Measures for EMI Risk Reduction, Software-based Techniques & Measures	Pejman Memar (KU Leuven)

Deliverables

No.	Title	Lead	Type	Diss. Level	Due Date
D2.1	Overview of EMI-relevant IEC61508 techniques & measures	KU Leuven	Report	public	Oct. 20 (M 19)
D2.2	EMI Risk Management Plan for two real-life environments	UTwente	Report	public	Oct. 21 (M 31)
D2.3	Experimentally validated EMI-aware IEC61508 techniques and measures	KU Leuven	Report	public	Sep. 22 (M 42)

Milestones

No.	Title	Lead	Means of verific.	Due Date
MS2.1 (N°17)	EMI Risk Management Plans	UTwente	Plans available for maritime and medical environment	Oct. 21 (M 31)
MS2.2 (N°28)	IEC 61508 techniques & measures validated	KU Leuven	Techniques & measures validated for at least medical environment	Sep. 22 (M 42)

Summary

- Research progress of all three ESRs is on track
 - ESR4 had to switch to a more theoretical part of the research, instead of executing the planned experiments. This means the experiments are delayed. However, this should have minimal impact on the overall research track.
 - ESR5 and ESR6 use simulation frameworks and are less impacted by COVID-19.

Summary

- D2.1: easy deliverable to make, will be ready before the due date
 - Use documents from K. Armstrong, IEEE, available research at research group
- D2.2: the real-life environments have been determined
 - Can combine research of ESR5, ESR6 and ESR10
- D2.3: still far away, already have ideas to fulfill it

Summary

- ESR4 Secondments:
 - Current secondment to MST is done remotely
 - Physical movement will be necessary (once allowed again)
 - Next secondment in october to LR
 - topic to be discussed and is in the UK, so possibly special measures necessary
- ESR5 Secondment:
 - To ESEO (FR) postponed from July to October or November
 - Topic to be aligned

Summary

- ESR6 Secondment:
 - To UoY (UK) postponed from July to September
 - Part of the reason for the secondment is to follow a course so timing must be verified with Mark N.

AOB

- ESR5 will setup regular, monthly, meetings with other selected ESRs to encourage collaboration

ESRs

- ESR7: Qazi Mashaal Khan (ESEO)
- ESR8: Oskari Leppäaho (Valeo)
- ESR9: Arunkumar Hunasanahalli Venkateshaiah (UoY)

Supervisors

- *Priscila Fernandez-Lopez - Valeo*
- Richard Perdriau - ESEO
- Mohammed Ramdani - ESEO
- Mohsen Koohestani - ESEO
- John Dawson - UoY
- Martin Trefzer - UoY
- + Representatives of Partner Organisations
- + Dries Vanoost - KU Leuven

Tasks

No.	Title	ESR
T3.1	Evaluation of Electromagnetic Hazards due to Environmental Stresses, Obsolescence and/or Ageing, Evaluation at the IC Level	Qazi Mashaal Khan (ESEO)
T3.2	Evaluation of Electromagnetic Hazards due to Environmental Stresses, Obsolescence and/or Ageing, Evaluation at the System Level	Oskari Leppäaho (Valeo)
T3.3	Statistical Verification and Validation of Immunity and Enclosure Shielding Effectiveness – Risk of Susceptibility	Arunkumar Hunasanahalli Venkateshaiah (UoY)

WP3: Evaluation, Validation and Verification Methodologies



33

Deliverables

No.	Title	Lead	Type	Diss. Level	Due Date
D3.1	Integrated Circuit to measure absorbed energy	UoY	Report	public	Mar. 21 (M 24)
D3.2	Description methodology for risk prediction from IC to system level	Valeo	Report	public	Nov. 21 (M 32)
D3.3	Validated statistical methodology to estimate coupling into enclosure or device	UoY	Report	public	May 22 (M 38)
D3.4	Validated IC-EM and IC-IM models including environmental stress and ageing	ESEO	Report	public	June 22 (M 39)

MSCA-ETN PETER NWE 1

May 26-29, 2020

WP3: Evaluation, Validation and Verification Methodologies



34

Milestones

No.	Title	Lead	Means of verific.	Due Date
MS3.1 (N°14)	IC to measure absorbed energy available	UoY	Physical IC available	Mar. 21 (M 24)
MS3.2 (N°18)	Highly Accelerated Lifetime Testing	Valeo	Test report available	Nov. 21 (M 32)
MS3.3 (N°25)	IC-EM and IC-IM models for ageing	ESEO	IC-EM and IC-IM models experimentally validated	June 22 (M 39)

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May 26-29, 2020

WP3: Evaluation, Validation and Verification Methodologies



35

Summary

- **ESR 7 has started with literature Review and working in to his topic. He is on track.**
 - Has already an accepted paper for EMC Europe
 - Already wrote a blog
 - Performed measurements and simulations
 - EFT testing on 2 pin-to-pin compatible microcontrollers
 - Cadence and ADS for chip and circuit simulations
 - Deliverable D3.4 will be finished
 - Milestone IC-EM and IC-IM models for ageing, will be finished on time
 - Secondment is planned in October 20 to November 20 in UoY
 - If postponed to next year, Visa issues can arise
 - No direct issues due to corona
 - Training: 2 courses
 - Analog CMOS design
 - EMC oriented design

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May 26-29, 2020

WP3: Evaluation, Validation and Verification Methodologies



36

Summary

- **ESR 8 has started with literature Review and working in to his topic. He is on track.**
 - Already wrote a blog
 - Performed preliminary measurements and simulations
 - Measurements IEC 62153 Triaxial setup for shielded cables
 - Simulations with CST for cable to cable coupling
 - Deliverable D3.2 will be finished on time
 - Milestone Highly Accelerated Lifetime Testing, will be finished on time
 - If the second secondment can go through (August to September 21) at the KU Leuven
 - First secondment at the UoY from December 20 to March 21
 - No visa issues at the moment
 - Reorganized due to corona, (will contact Stephane during NWE)
 - Will do a virtual secondment to follow the courses. The courses would be virtual in the autumn semester.
 - Safety courses from Mark, no practicum
 - Perform a physical secondment for the shielding measurements next spring
 - Due to corona
 - Not able to directly communicate with the supervisor
 - Worked out a mitigation plan to have supervision from Frederic Lafan (Valeo) and Mohamed (Second supervisor at ESEO)
 - At this time, corona has not a big impact on the research track

MSCA-ETN PETER NWE 1

May 26-29, 2020

WP3: Evaluation, Validation and Verification Methodologies



37

Summary

- **ESR 9 has started with literature Review and working in to his topic. He is on track.**
 - **Has already an accepted paper for EMC Europe as first author and one as co-author**
 - **Performed experiments**
 - EM-coupling on PCB trace
 - PCB shields, BLS
 - **Working on Chip design**
 - **Deliverable D3.1 and D3.3 will be finished on time**
 - **Milestone IC to measure absorbed energy available, will be finished on time**
 - **Secondment March 21 to April 21 at Melexis**
 - No visa issues at the moment
 - **No direct issues due to corona**
 - **Training:**
 - Introduction to analogue IC-design simulation and layout verification

WP4: Application Case Studies



38

ESRs

- ESR10: Nancy Omollo (RH Marine)
- ESR11: Mohammad Tishehzan (UoY)
- ESR12: Zhao Chen (Barco)
- ESR13: Vasso Gkatsi (Utwente)
- ESR14: Akram Ramezani (Melexis)
- ESR15: *Fernando Arduini* (Fraunhofer)

Supervisors

- **Frank Leferink - Utwente**
- Ronny Deseine - BARCO
- J-K van der Ven - RH Marine
- Mark Nicholson - UoY
- Hugo Pues - Melexis
- Michael Suhrke - Fraunhofer
- Thorsten Pusch - Fraunhofer
- + Representatives of Partner Organisations
- + Tim Claeys - KU Leuven

WP4: Application Case Studies



39

Tasks

No.	Title	ESR
T3.1	From Rule-Based Standards to Risk-Based, Cost-Effective, Up-to-Date, Maritime EMC Standards	Nancy Omollo (RH Marine)
T3.2	Modelling and Reasoning about EMI Interactions in Autonomous and Complex Vessels	Mohammad Tishehzan (UoY)
T3.3	EMI-Resilient Medical Display Systems for Surgical-, Diagnostic Imaging- and Modality Applications	Zhao Chen (BARCO)
T3.4	EMI Risk assessment applied to the next generation vehicular communication devices	Vasso Gkatsi (Utwente)
T3.5	Risk-Based EMI-Aware Design of an Automotive Integrated Circuit	Akram Ramezani (Melexis)
T3.6	EMI Risk Management on the scale of the Smart Grid as a network of systems	--- (Fraunhofer)

WP4: Application Case Studies



40

Deliverables

No.	Title	Lead	Type	Diss. Level	Due Date
D4.1	EMI-aware risk identification and assessment of vehicular communication systems	Utwente	Report	public	Nov. 20 (M 20)
D4.2	Flow-diagram for an EMI-aware safety case	UoY	Report	public	May 21 (M 26)
D4.3	Guidelines for electromagnetic protection of critical infrastructures	Fraunhofer	Report	public	Jan. 22 (M 34)
D4.4	Risk-based EMI certification report of real-life maritime application	RH Marine	Report	public	May 22 (M 38)
D4.5	Dedicated EMI Risk Management and Design Plan for display systems in medical environment	Barco	Report	public	May 22 (M 38)
D4.6	EMI fault-tolerant automotive IC	Melexis	Report	Public	July 22 (M 40)

WP4: Application Case Studies

41

Milestones

No.	Title	Lead	Means of verific.	Due Date
MS4.1 (N°19)	Safety-case methodology for vehicular communication	UTwente	Safety case description available	Nov. 21 (M. 32)
MS4.2 (N°20)	Safety-case methodology for autonomous and complex vessels	UoY	Safety case description available	Nov. 21 (M. 32)
MS4.3 (N°22)	Guidelines for electromagnetic protection of critical infrastructures	Fraunhofer	Guideline document available	Jan. 22 (M. 34)
MS4.4 (N°23)	Electromagnetic characterization of medical environment	Barco	Measurement report available	Apr. 22 (M. 37)
MS4.5 (N°26)	EMI fault-tolerant IC	Melexis	Physical IC available	July 22 (M. 40)

WP4: Application Case Studies

42

- Short update status, every ESR
 - Current research progress, tasks
- COVID-19 impact on ESRs
- Secondments: plans and current planning
- Possible collaboration between ESRs
- Status Deliverables and Milestones
- Q&A to clarify technical aspects and practicalities
- AOB

WP4: ESR10, Nancy Omollo (RH Marine)

43

- Research progress and tasks
 - Submitted two papers to two conferences
 - IEEE EMC + SIPI 2020 - Determining the Electromagnetic Environment On-board Ships for Risk-based Approach EMC Analysis – (submitted)
 - EMC Europe 2020 - EMI Aspects of Low Voltage Power Distribution Systems for Ships –submitted
 - Next Task – Risk based approach in ship building – practical experience

WP4: ESR10, Nancy Omollo (RH Marine)

44

- COVID-19 impact on ESR
 - Slowed down my productivity (quite a lot)
 - Effect on myself and family
- Secondments: plans and current planning
 - University of Twente – March 1 – April 30
 - Lloyds Register – November 1 – December
- Possible collaboration between ESRs
 - Mumpy (ESR 4) – Risk based approach in hospital environment.
 - ESR from SCENT and ETOPIA project (Research group at Twente)

WP4: ESR10, Nancy Omollo (RH Marine)

45

- Changes w.r.t. Deliverables and Milestones
 - No changes so far – Deliverables and dates still same

- Questions
 - What is the relationship between deliverable time and the time for the entire project?

WP4: ESR11, Mohammad Tishehzan (Univ. of York)

46

- Research progress and tasks
 - Literature Review
 - Systems and safety engineering
 - Safety case
 - GSNs
 - Functional Safety standards, techniques and measures

WP4: ESR11, Mohammad Tishehzan (Univ. of York)

47

- COVID-19 impact on ESR
 - Started to work from Iran, No clear time for travel to York
- Secondments: plans and current planning
 - RH Marine
 - It was planned for Next April, but they want to bring it forward to 2020 due to Brexit
 - Lloyd's Register: Planned for March 2022
- Possible collaboration between ESRs
 - Developing and applying safety case for a vessel with ESR10

WP4: ESR11, Mohammad Tishehzan (Univ. of York)

48

- Changes w.r.t. Deliverables and Milestones
 - Due to late start, it is likely that deliverable and milestones will be delayed, but it is not confirmed yet
- Questions
 - How the S&T training elements will be affected by COVID-19?

WP4: ESR12, Zhao Chen (Barco)

49

- Research progress and tasks
 - Research progress
 - Built theoretical foundation of EMC and Risk Management
 - Wrote safety cases for papers of risk management
 - Modeling resonance in EM environment within medical displays
 - Tasks
 - EMI-Resilient Medical Display Systems for Surgical-, Diagnostic Imaging- and Modality Applications
 - Modeling and characterization of medical EM environment
 - Formalize “risk-based” design guidelines for DfEMC in Barco

WP4: ESR12, Zhao Chen (Barco)

50

- COVID-19 impact on ESR
 - Limited access to hardware server
 - Feeling depressed without enough communication with others
- Secondments: plans and current planning
 - Utwente/MST (Netherlands) (2021.03)
 - LUH (Germany) (2022)
- Possible collaboration between ESRs
 - “Way of modeling practical EM environment in medical applications” (ESR4)
 - “Analysis and mitigation methodologies of reducing risks caused by EMI in medical display systems” (ESR5)

WP4: ESR12, Zhao Chen (Barco)

51

- Changes w.r.t. Deliverables and Milestones
 - None
- Questions
 - Detailed plan for secondments

WP4: ESR13, Vasso Gkatsi (University of Twente)

52

- Research progress
 - Investigation in order to implement the Reverberation Chamber (RC) and the Vibrating Intrinsic Reverberation Chamber (VIRC) into automotive for environmental analysis in/out of a vehicle
- Tasks
 - **Risk – based EMC** approach to V2V, V2I, V2X systems
 - Definition of **resilience level** for critical systems
 - Definition of **hostile EM environments** in automotive

WP4: ESR13, Vasso Gkatsi (University of Twente)

53

- COVID-19 impact on ESR
 - Travel restrictions
- Secondments: plans and current planning



- Possible collaboration between ESRs
 - ESR3, Lokesh Devaraj (MIRA)
 - ESR4, Mumpy Das (UT)
 - ESR8, Oskari Leppäaho (VALEO)
 - ESR10, Nancy Omollo (RH Marine)

WP4: ESR13, Vasso Gkatsi (University of Twente)

54

- Changes w.r.t. Deliverables and Milestones
 - None
- Questions
 - None

WP4: ESR14, Akram Ramezani (Melexis)

55

- Research progress and tasks
 - research about EMI Resisting structures: Current Mirrors & Distortion, ESD and its protections, analog outputs & inputs
 - in XT018 technology doing DPI simulations and studying the effects of filtering, the harm done by non-linear nodes
 - 3 Courses at KU Leuven: Analog & Digital Signal Processing, Digital Circuit Design, EMI of Electronic Circuits
 - Creating substrate coupling model for the bandgap circuit, focusing on technology issues, parasitic effects and possible measurement issues

WP4: ESR14, Akram Ramezani (Melexis)

56

- COVID-19 impact on ESR
 - working for several weeks from home has been a difficult situation. But no change in my plan.
- Secondments: plans and current planning
 - University of York: 1-2 months before the end of 2020
 - ESEO: 2 months at the end of 2021
- Possible collaboration between ESRs
 - ESR07 will test a test chip that I am going to design, and try to help ESR09 in designing a circuit for measuring the energy inside a shielding room

WP4: ESR14, Akram Ramezani (Melexis)

57

- Changes w.r.t. Deliverables and Milestones
 - None
- Questions
 - None

WP4: Application Case Studies

58

Summary

- Research progress, tasks:
 - good progress
 - many publications after such a short time
- Deliverables, milestones:
 - D4.1 (M20) and MS4.1 **will be delayed** due to late start of ESR13 (M12)
 - D4.2 (M26) and MS4.2 could be delayed due to late start of ESR11 (M12)
 - D4.3 (M34) and MS4.3 could be delayed due to late start of ESR15 (M15)
- Secondment(s):
 - clear planning is missing now, also due to COVID-19
- COVID-19 outbreak and impact:
 - many uncertainties which make the ESRs uncomfortable

WP4: Application Case Studies

59

Questions:

What is the relationship between deliverable time and the time for the entire project?

How the S&T training elements will be affected by COVID-19?

We need planning for secondments

AOB

Discussed with ESRs to have a 'social virtual drink' to exchange experiences and best practices

Vasso (ESR13) could collaborate with an ESR of SAS project

Annex 6

Agenda "Supervisory Board Meeting" May 26, 2020



Pan-European Training, research and education network on ElectroMagnetic Risk management.

SUPERVISORY BOARD MEETING
MAY 26, 2020
12:00 - 13:00 – ONLINE MEETING



This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER Network Wide Event 1
May 26-29, 2020

2



This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER NWE 1

May 26-29, 2020



Agenda

3

- ESR15 Position (Fraunhofer): status
- Impact of COVID-19 crisis on the PETER Project?
- Secondments
- Paper Presubmission Procedure
- ESRs Payments
- Ethics Deliverable
- Deliverable 5.3: Progress report of PCDP to Supervisory Board
- Video
- AoB

MSCA-ETN PETER NWE 1

May 26-29, 2020



ESR15 Position (Fraunhofer): status

4

MSCA-ETN PETER NWE 1

May 26-29, 2020

Impact of COVID-19 crisis on the PETER Project?



5

MSCA-ETN PETER NWE 1

May 26-29, 2020

First secondments (1)

6

ESR	Candidate	Host	Second 1	Period Second 1	Local Mentor Second 1	Second 2	Period Second 2	Local Mentor
ESR1	Samikshya Ghosalkar (f)	LUH	RHM	Sep - Okt 2020 (1m)	JK van der Ven	FHG	April - June 2021 (3m)	M. Suhrke
ESR2	Arash Nateghi (m)	WIS	Utwente	???	F. Leferink	FHG	April - June 2021 (3m)	M. Suhrke
ESR3	Lokesh Devaraj (m)	Horiba-Mira	LUH	November 2020 (1m)	H. Garbe	Nedap	Feb - April 2021 (3m)	J. van der Willik
ESR4	Mumpy Das (f)	Utwente	LR	Oct - Nov 2020 (2m)	???	Barco	Sep - Okt 2021 (2m)	R. Deseine
ESR5	Hasan Habib (m)	KU Leuven	ESEO	Postponed	???	Thales	April - May 2021 (2m)	F. Leferink
ESR6	Pejman Memar (m)	KU Leuven	UoY	Sep - Okt 2020 (1m)	J. Dawson	Nedap	July - Aug 2021 (2m)	J. van der Willik
ESR7	Qazi M. Khan (m)	ESEO	Melexis	???	H. Poes ???	KU Leuven	Sep - Oct 2021 (2m)	D. Pissoort
ESR8	Oskari Leppäaho (m)	Valeo	UoY	Dec 20 - Mar 21 (4m)	J. Dawson	KU Leuven	Sep - Oct 2021 (2m)	D. Pissoort

First secondments (2)



7

ESR	Candidate	Host	Second 1	Period Second 1	Local Mentor Second 1	Second 2	Period Second 2	Local Mentor
ESR9	Arunkumar H. Venkateshaiah (m)	UoY	Melexis	???	H. Poes ???	LUH	Oct - Dec 2021 (3m)	H. Garbe
ESR10	Nancy Omollo (f)	RHM	LUH	Aug - Oct 2020 (3m)	H. Garbe	LR	March - May 2022 (3m)	???
ESR11	Mohammad Tishezhan	UoY	RHM	April - June 2021 (3m)	JK van der Ven	LR	March - May 2022 (3m)	???
ESR12	Zhao Chen (m)	Barco	Utwente	???	F. Leferink	WIS	Jan - Feb 2021 (2m)	???
ESR13	Vasso Gkatsi	Utwente	LUH	???	H. Garbe	MIRA	Sep - Okt 2020 (2m)	A. Ruddle
ESR14	Akram Ramezani (f)	Melexis	Utwente	???	F. Leferink	ESEO	April - July 2021 (4m)	???
ESR15	Fernando Arduini	Fraunhofer	WIS	???	???	Utwente	Jan - March 2021 (3m)	F. Leferink

MSCA-ETN PETER NWE 1

May 26-29, 2020

First Secondments (3)

8

- Modifications (schedule changes, topic, location) can only be performed after PREVIOUS APPROVAL and on request and should be communicated with the PM who reports this to the PO !!
- Check if ESR's nationalities cause issues for the foreseen secondments and if specific procedures need to be followed
- Align the secondment timings with the institutions hosting secondments
- Confirm the modifications to the PM

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May 26-29, 2020

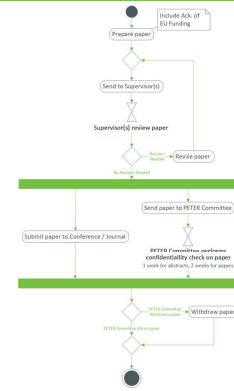
First Secondments (4)

9

- Due to the current COVID-19 crisis, planned and rescheduled secondments in the months April – June 2020, are postponed until further notice.
- After each Secondment a Secondment Report needs to be written by the ESR, and signed by the ESR and the Secondment Hosting Supervisor. Template will be sent out by Stephane.
- **IMPORTANT**
The Actual Secondment Period needs to be submitted at the H2020 Participant Portal (under the Tab 'Researchers') as soon as the Secondment has ended, so not sooner!

Paper Presubmission Procedure

10



Ethics

11

- EC required us to write a dedicated deliverable on ethical issues and potential dual use for non-civil application of the project and risk-mitigation strategies must be included
- Deliverable 8.1 written through collaboration between KU Leuven, WIS, Fraunhofer and Univ. of York
- Ethics Deliverable 8.1 has been submitted on April 1, 2020.
- Voluntary ethical self-assessment by every ESR
- Ethical Board:
 - KU Leuven: Prof. A. Vedder, Dr. T. Claeys
 - UoY: Dr. M. Nicholson

Deliverable 5.3

Progress report of PCDP to Supervisory Board

12

- Due date for submission is July 31, 2020.
- Update/progress report of all PCDPs to Supervisory Board
- Supervisory Board Meeting → is now...
- How to update PCDPs and by consequence submit this Deliverable 5.3?
 - Initial Deliverable 5.2 contains PCDPs of 10 ESRs.
 - 10 ESRs started in 2019 → update of PCDP?
 - 5 ESRs started in 2020 → no update of PCDP needed...



PETER Promo Video

AOB

13

14

- Example SAS project:
<https://www.youtube.com/watch?v=L1jEceW29NQ>
- A PETER Promo Video will be developed and published during the second year of the PETER Project.
- This Video will explain the project goals, and present the team and the collaborating partners,
- This video will be made in collaboration with Storyrunner.
- **Hopefully** filming in September or October 2020.
- Video “launchable” by the end of this year.

Annex 7

PPT Presentation “PETER Mid-Term Check_Project Officer”



**H2020
Marie Skłodowska-Curie
Actions**

**PETER
812790
Mid-term check Meeting**

**Mercedes LEGUEY JIMÉNEZ
26-27 May 2020**

Disclaimer: the information provided in this presentation
is not legally binding.



Outline:

1. Purpose of Mid-Term meeting
2. Obligations of the Network
3. Reporting
4. Finance
5. Useful Links

1. Purpose



Mid-Term check

Contractual obligation: consortia shall organize this check according to Art. 19.1 of the GA

Objectives:

- Assessment of the **recruitment** progress and procedure
- Clarification/verification of the **eligibility** rules for fellows
- Awareness raising on the **rights and obligations** of fellows and beneficiaries
- Assessment of any **deviation** of the original training programme
- Constructive **dialogue** between network participants
- Definition of **contingency** plans if necessary



2. Obligations of Network



Responsibilities of the Coordinator

Article 41.2b of the GA

- **Monitor** implementation of the action
- Act as **intermediary** for all communication between consortium and the REA
- **Request and review** any document or information required by the REA
- **Submit** the deliverables and reports to the REA
- Ensure **payment** to other beneficiaries without delays
- **Inform** the REA of the amounts paid to each beneficiary, if required

The coordinator cannot delegate these tasks to other beneficiary or subcontract them to a third party



The beneficiaries must implement the action:

- ✓ As described in Annex 1
- ✓ In compliance with the provisions of the GA and all legal obligations under EU, international and national law

Beneficiaries are jointly liable for the technical implementation of the action.
Beneficiaries have individual responsibility for their own financial statement.



The beneficiaries must:

- ✓ Submit to the coordinator in good time
 - Individual financial statements
 - Data needed to draw up the technical reports
 - Ethics committee opinions/notifications/authorizations for activities raising ethics issues
 - Any other document required by the REA
- ✓ keep up to date Beneficiary Register
- ✓ Inform the coordinator immediately of:
 - any events that may affect or delay significantly the implementation of the action
 - any circumstance affecting the compliance with the GA



The beneficiaries must:

- ✓ take all measures to implement the “**Charter and Code**”
- ✓ recruit the researcher under an **employment contract**
- ✓ **assist** researchers in **administrative procedures**
- ✓ **host** the researchers at their premises
- ✓ **provide training** and supervision in order to implement the action and inform the researchers on the details on the research training activities





The beneficiaries must ensure that:

- ✓ the **employment contract specifies the elements** indicated in Art.32.1(f) - e.g. duration, monthly support, MSCA-related obligations, visibility of EU funding, IP, etc.
- ✓ a **Career Development Plan** is established and supported. Regular updates needed
- ✓ the researchers enjoy **at least the same standards and working conditions** as local researchers holding a similar position
- ✓ the **researchers do not have to bear any costs** for the implementation of the action (e.g. tuition fees, visa costs)
- ✓ the researchers are appropriately **exposed to the non-academic sector**
- ✓ **secondments are limited to 30%** of the time spent under the action. In all cases, recruited researchers can only be seconded to beneficiaries or partner organisations included in the list of participants



Obligations of the Fellows

Article 32 of the GA

Rights and obligations that mostly concern employment conditions, integrity and excellence. Below some obligations:

- **Working exclusively** for the action and receiving income for the activities of the fellowship only from your host organisation, or another entity participating in the action
- **Ensuring visibility** and recognition of received EU funding in communications, publications and patent applications
- **Informing the host organisation** as soon as possible of any events, circumstances or changes in status that are likely to affect your fellowship
- **Submitting an evaluation questionnaire** and a follow-up questionnaire, at the end of your fellowship and two years afterwards

3. Reporting

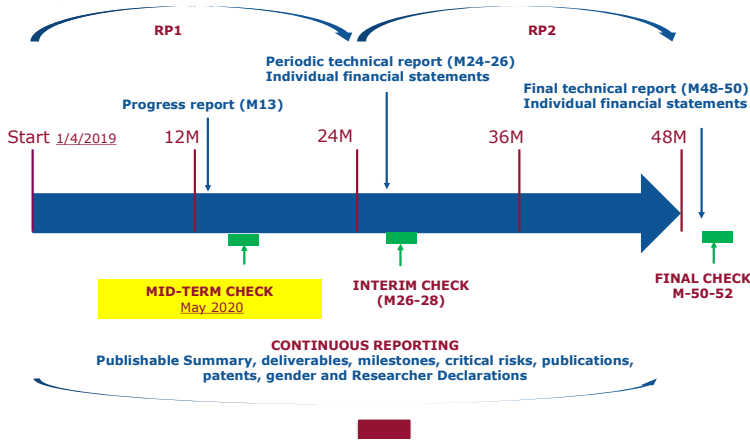
REA Monitoring Project Implementation

The Agency must monitor the activities of the projects in order to assess and verify:

- ✓ **Technical implementation:** project needs to be implemented as as described in Annex 1 (Description of the action – DoA) of the Grant Agreement (GA),
- ✓ **Legal & administrative implementation:** the project's activities need to comply with the obligations under the GA.
- ✓ In order for the Agency to verify that the project is implemented properly, the beneficiaries must submit any information requested, and in particular **the deliverables and reports specified in the GA.**



Project timeline



Reporting



Monitoring Project Implementation

1. Continuous reporting: allows consortium to continuously update publishable summary, deliverables, milestones, Researcher's Declarations etc. and allows the REA to monitor project. It is a continuous task that can take place at any moment during the active period of the project.

A MID-TERM CHECK is organized on-site to assess the project after one year (M13-15)

2. Periodic reporting: at the end of each reporting period, the coordinator has 60 days to submit a period/final report (Art. 20 of the GA).

An INTERIM and FINAL CHECK is organized remotely to assess the progress of each reporting period (can be carried out on site if necessary)

Reporting – Continuous reporting



1. Continuous reporting

➤ **Researcher's Declaration** - Art. 19 of the GA

✓ To be submitted by each beneficiary within 20 days after the recruitment of each researcher

Contains:

- **Researcher information** (name, birth date, nationality, gender, family charges, email of researcher, last countries of activity, contract type, enrolment in PhD).
- **Recruitment information:** recruitment organisation, country and sector.
- **Recruitment period:** start date and end date of contract, working time commitment (full time, part-time, etc.).

Continuous reporting Researchers' Declarations



- If something was wrongly encoded, a researcher's declaration can be re-opened by the EU officer and corrected by the beneficiary.
- In case of sick leave, maternity/parental leave, ... the researcher's declaration must be updated
- **Secondments** are additional periods of research training with another beneficiary or partner organisation. All beneficiaries need to report all secondments which took place.
- There is an automatic calculation of the costs in the **Financial Statement** based on the duration (in person months) in the Researcher Declarations. The costs are not editable.

Thus RDs are the basis for IFS (Individual financial Statement) and need to be updated in case of change (particularly before submission of periodic reports).



➤ **Deliverables:**

- Art. 19 of the GA
- To be uploaded directly on the PP by the Coordinator
- Scientific deliverables and other deliverables as defined in Annex 1 of the Grant Agreement.
- **In case of an update of a deliverable, the PO needs to be notified and re-opens the session**
- **In case of late submission of a deliverable, the PO needs to be notified**



- **Summary for publication** – will be published in CORDIS
- **Milestones** - to be indicated whether the milestone has been achieved or not and select the delivery date.
- **Dissemination** - an estimation of the budget dedicated to the communication and dissemination activities should be indicated for statistical reasons
- **Patents** - lists the Registered Intellectual Property Rights, which have been generated by the project.
- **Training activities** - network-wide organised
- **Gender** - researchers and other workforce involved in the project



- **Publications** – to be listed all publications where the fellows are authors. Link to be provided.

Open access to peer-reviewed publications:

- Each beneficiary must ensure open access (free of charge, online access for any user) to all peer-reviewed scientific publications relating to its results (art. 29.2 GA).
- In particular, it must:
- (a) as soon as possible and at the latest on publication, deposit a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications;
 - (b) ensure open access to the deposited publication —via the repository —at the latest within 6 months of publication



Acknowledgment of EU funding

Any communication/outreach/dissemination activity related to your project needs to **acknowledge the EU funding** you have received, according to the grant agreement that you have signed.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No [number].

Acknowledgement of EU funding

http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/grant-management/acknowledge-funding_en.htm

Reporting Periodic reporting



2. Periodic reporting – INTERIM / FINAL CHECK

➤ **WHEN** -Within **60 days** following the end of any reporting period

➤ **WHAT:**

1. Technical Report has 2 parts:

- Part A (publishable summary, deliverables, milestones, etc., answer to H2020 KPIs) – **retrieved from Continuous Reporting**
- Part B (explanation work carried out, overview of progress, explanation on deviations from DoA) – **uploaded as .pdf in the portal** (Predefined templates in the system)

2. Financial Report

- **Individual financial statements** (IFS) for each beneficiary

➤ **HOW** Via Portal → MP

Reporting Periodic reporting



Financial report - Individual financial statements

MODEL ANNEX 4 FOR H2020 MSC-ITN – MULTI
STATEMENT FOR BENEFICIARY (name) FOR REPORTING PERIOD (reporting period)

EU contribution

Name of fellows: Automatically filled in from Researcher's declarations	Number of units: Automatically filled in from Researcher's Declaration(s)	Eligible costs (per budget category)												Total costs	Reimbursement rate (%)	Maximum EU contribution	Approved EU contribution	
		A.1 Living allowance			A.2 Family allowance			B. Research, training and networking costs			C. Management and indirect costs							
Number of units (reporting)	Costs of costs	unit	unit	unit	unit	unit	unit	unit	unit	unit	unit	unit	unit	unit	unit	unit	unit	unit
Costs per unit																		
Total																		

**All information is retrieved from Researcher Declarations (RDs)
Corrections only in RDs**

Check box 1: I confirm that the total amount of the allowances used (including compulsory deductions) for the researcher is equal to or higher than the living allowance, the mobility allowance and the family allowance as set out in Annex 2 of the Agreement or that any underpayments in Reporting Period 1 will be corrected by the end of the action.

Check box 2: I do not receive any EU donation operating grant during this reporting period? (Y/N) Y N

Page 2/6 indicates how many of the total person-months (see 'Total beneficiary allowed' were incurred DURING the period covered by the operating grant? **Number of person-months**

Reporting Periodic reporting



Submission of periodic report – H2020 principle

- **Coordinator** prepares **Periodic Technical Report**, based on the input from all beneficiaries
- **Beneficiaries** (including Coordinator) prepare their **Individual Financial Statements (IFS)**, signed electronically (FSIGN) and submit to Coordinator
- Coordinator "marks for submission" all reports to be submitted to REA
- Coordinator submits all parts in one package – **Single Submission**.

NB: In case of need the coordinator can decide to submit a package without some IFS (beneficiaries didn't submit their IFS on time and blocking payment for whole consortium), those beneficiaries will not have any opportunity to submit their IFS within the same reporting period, only in the next reporting period!



4. Finances

Finances



Funding Mechanism

- Fully based on unit costs
- 1 researcher month = 1 unit
- Amounts in EUR per unit cost
- Total costs = unit costs x number of units (researcher months)
- The eligibility of the **Institutional costs** is linked to the eligibility of the **Costs for the recruited researcher**

1 unit
=
1 month of
eligible ESR

Cost categories



A. Costs for Recruited Researchers

B. Institutional costs

Researcher			Institution	
<u>Living allowance*</u>	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs
3 270	600	500	1 800	1 200

*multiplied by the country correction coefficient (where the fellow is employed)

Base rates for 2018

1 unit
=
1 month of
eligible ESR

Very important



The eligibility of the costs

is linked to

the eligibility of the fellows



A. Costs for recruited researchers

A1. Living allowance:

- + **How much?** Monthly reference rate (EUR 3270) must be multiplied by the Country Correction Coefficient of the recruiting beneficiary. No change in secondments.
- + **What does it include?** Monthly salary for the fellow before any deductions: contributions of both employers and employees to social security, pension, taxation, voluntary deductions.

A2. Mobility allowance

- + **How much?** Fixed amount of EUR 600 per month.
- + **Purpose** - Contribution to household, relocation and personal travel expenses (*private* costs of the ESRs). Professional costs (e.g. *secondments*) are covered by the budget category B1 'research, training and networking costs'.

A3. Family allowance

- + **How much?** Fixed amount of EUR 500 per month.
- + **For whom?** All recruited fellows who have family at the time of recruitment.



B.1 Research, training and networking costs

+ **How much?** Fixed amount of EUR 1 800 per implemented person-month

+ **What is it used for?** To contribute to expenses related to, for example:

- Research costs
- Training courses
- Participation of researchers in training events and conferences
- Secondments (including travel and accommodation)
- Co-ordination between participants
- Tuition fees (if any): *MSCA-ITN researchers may NOT be requested to pay tuition (enrollment etc) fees for their research training and/or PhD degree programme from their own funds.*



B.2 Management and indirect costs

+ **How much?** Fixed amount of EUR 1 200 per implemented person-month

+ **What is it used for?**

- Costs associated with the preparation of the reports and other documents required by the REA:
 - Researcher declarations, deliverables, 1st year progress report, periodic reports and final report.
- Personnel costs of the Project Manager.
- Maintenance of the consortium agreement.
- The overall legal, ethical, financial and administrative management for each of the beneficiaries.
- Indirect costs of the action.



Exchange rate

- Financial statements must be drafted in euro.
- Beneficiaries using another currency must convert the costs into euro at the average of the daily exchange rates published in the Official Journal of the European Union, calculated over the corresponding reporting period.

<http://www.ecb.europa.eu/stats/exchange/eurofxref/html/index.en.htm>



4. Finances

RECORDS



Records must be kept for 5 years after the final payment has been made.

What records do we need to prove the number of units declared?

- Evidence of open, fair, transparent recruitment process
- Evidence of the **eligibility** of the fellow in terms of researcher experience, mobility and family status (e.g. CVs, copies of diplomas, ...)
- Employment contract/agreement with the fellow with all provisions from GA (Art. 32 a-m)
- Proof of payment of the researcher's allowances and of the deductions for social security etc
- Evidence that the fellow was recruited and worked **full time** (unless the REA has approved otherwise) and **exclusively** on the action at the beneficiary's premises (or on secondment): this can include lab books, conference abstracts, library records, etc
- Records and other supporting documentation on scientific and technical implementation of the action

Timesheets for MSC Fellows -> If local administrative rules don't use timesheets then a clear and easy system to record the presence of the fellow for full time contract of employment (and/or secondment) is highly recommended

5. Useful links

5. Useful links



* Annotated Model Grant Agreement

http://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/amga/h2020-amga_en.pdf

* Information note for MSCA fellows :

https://ec.europa.eu/research/mariecurieactions/sites/mariecurie2/files/msca-itn-fellows-note_en_v2.pdf

* Indicative Audit Programme

http://ec.europa.eu/research/participants/data/ref/h2020/other/gm/audit/h2020-iap_en.pdf (ITN as from page 108)

* List of supporting documents for Audit

[REQUIRED SUPPORTING DOCUMENTS FOR AUDIT OF MARIE SKŁODOWSKA-CURIE ACTIONS](#)

5. Useful links



* Register to Marie Curie Alumni Platform (for MC fellows):

<https://www.mariecuriealumni.eu>

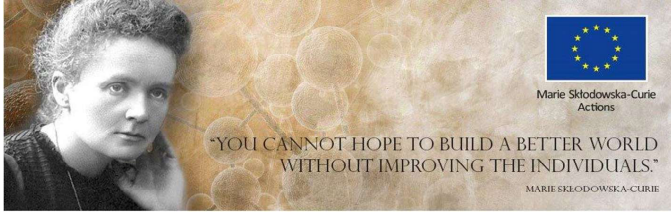
* Register as an expert (for PIs):

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/index.html>

* IPR Helpdesk : <https://www.iprhelpdesk.eu/>

* HORIZON EUROPE- the next research and innovation framework programme:

https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme_en



Thank you !

Mercedes.LEGUEY-JIMENEZ@ec.europa.eu



Annex 8

PPT Presentation “Coordinator’s report”



Pan-European Training, research and education network on ElectroMagnetic Risk management.

COORDINATOR'S REPORT
EU H2020 MSCA-ETN PETER
NETWORK-WIDE EVENT 1
TUESDAY MAY 26, 2020



This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812,790



2 PETER Consortium

PETER Consortium

3

- 12 Beneficiaries in 5 Countries:
 - BE: KU Leuven (2 ESRs)
 - BE: BARCO (1 ESR)
 - BE: Melexis (1 ESR)
 - GE: LUH (1 ESR)
 - GE: WIS (1 ESR)
 - GE: Fraunhofer (1 ESR)
 - NL: UTwente (2 ESRs)
 - NL: RH Marine (1 ESR)
 - UK: University of York (1 ESR)
 - UK: Horiba MIRA (1 ESR)
 - FR: ESEO (1 ESR)
 - FR: Valeo (1 ESR)
- 7 Partner Organisations:
 - GE: FCS Flight Calibration Services
 - NL: Thales
 - NL: Medisch Spectrum Twente
 - NL: Nedap
 - UK: Cherry Clough Consultants
 - UK: Lloyd's Register
 - UK: De Montford University

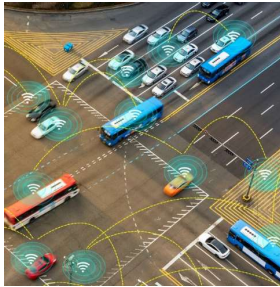


4 PETER Scientific Objective

Autonomous Cars: Vehicle-to-X Communication



5



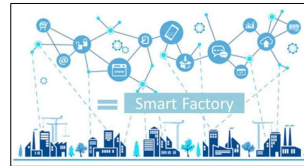
- Car-to-car
- Car-to-infrastructure
- Car-to-pedestrian
- Etc.

- Robust wireless communication (5G) is key element!

Industry 4.0/5.0 Smart Manufacturing



6



- EMC-point-of-view:
 - More and more electronics in and around machines, robots, cobots, autonomis vehicles,...
 - More wireless applications (mobile phones, RFID, M2M communication, 5G,...) very close to safety-critical circuits

Medical & Healthcare



7



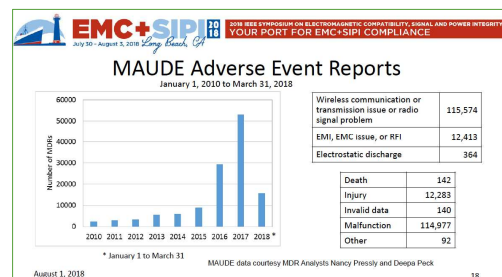
Image (c) 2010 Intuitive Surgical, Inc.



Medical Devices: Failures due to EMI are increasing!



8



Safety-Critical EMI incidents do happen...



Technology
Why Intel's Mobileye Blew a Red Light While Showing Off Its Ride

May 2018

A Bloomberg Businessweek reporter had an early look at the cars last month, during which a camera-only vehicle performed well despite heavy, chaotic Jerusalem traffic. But at a press event in Mobileye's hometown last week, a car outfitted with television cameras from Israel's Channel 10, went straight through a red light about a quarter of mile from the company's garage after an otherwise uneventful ride.

"It was a very unique situation," he said, referring to the camera crew. "We'd never anticipated something like this." Shashua said Mobileye was also modifying the hardware designed to shield the car's computers from electromagnetic interference in order to prevent similar incidents in the future. Mobileye's Jerusalem fleet has continued to operate and the company hasn't received any complaints from automakers, Shashua said.

From "Rule-Based" to "Risk-Based" (1)

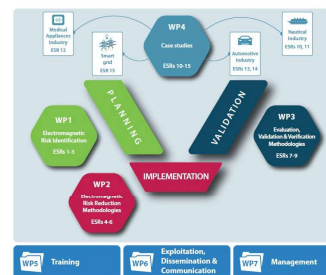
- Currently, the problem of EMI is tackled using a "rule-based" approach:
 - During design a number of guidelines/standards are prescribed
 - Default application of a set of mitigation techniques (filtering, shielding, cable routing, etc.)
- However, this rule-based has serious flaws:
 - Too many failure scenarios are being overlooked
 - No certainties if these mitigation strategies are really sufficient
 - Standards always lag behind technological developments
 - EMC standards only cover one EMI disturbance at a time
 - EMI is a "whole system" property and is affected by ageing, vibration, and temperature



From "Rule-Based" to "Risk-Based" (2)

- What is needed is a truly interdisciplinary – but also revolutionary – approach to this very serious problem
- Implementation of a "Risk-Based" approach bringing together expertise from 4 key areas: EMC, reliability engineering, functional safety, and risk management
- The PETER project will consider the complete system over its whole lifecycle, i.e., from the earliest concept to the final decommissioning

PETER WP Overview



WP No.	WP Title
1	Electromagnetic Risk Identification
2	Electromagnetic Risk Reduction Methodologies
3	Evaluation, Validation and Verification Methodologies
4	Application Case Studies
5	Training
6	Exploitation, Dissemination and Communication
7	Management

General S/T Progress

14

- Project has started successfully
- 14 of the 15 ESRs have started their PhD research after an initial period of introduction and literature review at their main host



13

PETER General S/T Progress

MSCA-ETN PETER NWE 1

May 26-29, 2020

General S/T Progress WP1

15

Objective of WP1: Electromagnetic Risk Identification

Develop dedicated hazard-and-risk analysis techniques that identify all EMI-related risks and hazards for a system under development in its actual operating electromagnetic environment

WP1 Electromagnetic Risk Identification					
ESR	Name	Supervisor	Topic of the research	Main S/T activities and/or results and methodology used	Personal training activities
1	Samikshya Ghosalkar	LUH	Statistical Electromagnetic Risk Analysis of Large and Complex Systems, Development of Theoretical Description of Risk Assessment Methodologies	* Literature review regarding risk analysis, focusing on Fault Tree Analysis, Event Tree Analysis, Electromagnetic Topology, etc.	* "EMC" course given by prof. Garbe * "Risk Analysis" course given by dr. Sabath * German language course
2	Arash Nateghi	WIS	Statistical Electromagnetic Risk Analysis of Large and Complex Systems, Experimental Analysis and Model Verification	* Learning about EMC fundamentals and EMI risk management	* "EMC" course and "EMI risk management" provided by Leibniz University Hannover * Hands-on training about laboratory equipment
3	Lokesh Devaraj	Horiba-MIRA	Risk-Based Automotive Electromagnetic Approach aligned with the ISO26262 Functional Safety Approach	* Literature review regarding risk analysis, functional safety, EMC and cyber security * reading and understanding relevant parts of ISO 26262 and related standards * Submitted a paper to EMC Europe 2020	* "ISO 26262 Engineer Training" provided by MIRA

General S/T Progress WP2

16

Objective of WP2: Electromagnetic Risk Reduction Methodologies

Develop effective EMI risk-reduction techniques in hardware and software, and reduce the risks to the level where they are no longer unacceptable with respect to reliability or safety

WP2 Electromagnetic Risk Reduction Methodologies					
ESR	Name	Supervisor	Topic of the research	Main S/T activities and/or results and methodology used	Personal training activities
4	Mumpy Das	U Twente	Risk-Based EMI-Aware Design of Complex Systems	* Measured field strengths in a room and a free space environment * Submitted paper to EMC Europe 2020 * Submitted paper to IEEE EMC+SPI 2020	* Research data management bootcamp * Scientific information bootcamp * "EMC" course given by prof. Lefterink * "EMC" course provided by Eindhoven
5	Hasan Habib	KU Leuven	IEC 61508 Techniques & Measures for EMI Risk Reduction, Hardware-based Techniques & Measures	* Developed first version of an EMI detector * Paper submitted to EMC Europe 2020	* Teacher assistant training * "EMC based design" given by prof. Pissort
6	Pejman Memar	KU Leuven	IEC 61508 Techniques & Measures for EMI Risk Reduction, Software-based Techniques & Measures	* Studied Reed Solomon encoding and determined its EMI resiliency * Reading and understanding IEC 61508	* EMC event provided by Telerex * "Academic English - Writing" provided by KU Leuven * "EMC based design" given by prof. Pissort

General S/T Progress WP3

Objective of WP3: Evaluation, Validation & Verification Methodologies
 Improve EMI verification-and-validation methods that represent a much broader area of the lifecycle of the system as well as of the system's actual electromagnetic environment

WP3 Evaluation, Validation and Verification Methodologies					
ESR	Name	Supervisor	Topic of the research	Main S/T activities and/or results and methodology used	Personal training activities
7	Qazi Mashaal Khan	ESEO	Evaluation of Electromagnetic Hazards due to Environmental Stresses, Obsolescence and/or Ageing, Evaluation at the IC Level	* Literature review regarding continuous wave and transient EMC testing, ageing, RFP and ICM-CI * Performed EFT testing on microcontrollers * Learning about ADS simulation framework * Submitted paper to EMC Europe 2020	* "Analog CMOS design" * "EMC oriented design"
8	Oskari Leppäläho	Valeo	Evaluation of Electromagnetic Hazards due to Environmental Stresses, Obsolescence and/or Ageing, Evaluation at the System Level	* Literature review regarding electrical connection ageing and shielded cables and connectors * Preparing test cases	* On-the-job training for transfer impedance measurement with triaxial method according to IEC 62153-4-3
9	Arunkumar Venkateshah	UoYork	Statistical Verification and Validation of Immunity and Enclosure Shielding Effectiveness - Risk of Susceptibility	* Learning about coupling of energy into PCB traces in a reverberant environment * Submitted paper to EMC Europe 2020	* "Introduction to analogue IC design, simulation, layout and verification"

General S/T Progress WP4

Objective of WP4: Application Case Studies
 Apply a practical, industry-driven EMI risk-management methodology during 4 case studies from different industrial sectors (maritime, medical, automotive, critical infrastructures) and at different design levels (integrated circuits, subsystems, systems and networks of systems)

WP4 Application Case Studies					
ESR	Name	Supervisor	Topic of the research	Main S/T activities and/or results and methodology used	Personal training activities
10	Nancy Omollo	RH Marine	From Rule-Based Standards to Risk-Based, Cost-Effective, Up-to-Date, Maritime EMC Standards	* Literature review regarding risk based approaches * Submitted paper to IEEE Reno 2020 * Submitted paper to EMC Europe 2020	* "EMC" course provided by university of Twente * "Practical EMC" course * "Training on 'NEN 3140'"
11	Mohammad Subhan	UoYork	Modelling and Reasoning about EMI Interactions in Autonomous and Complex Vessels	Recently started on March 30, 2020	---
12	Zhao Chen	Barco	EMI-Resilient Medical Display Systems for Surgical-, Diagnostic Imaging- and Modality Applications	* Learning about EMC, focusing on the theoretical part and design techniques * Literature review about risk management, using directives and standards * Learning about and using GSN	* Series of online Barco corporate trainings, E.g. "Value Engineering", "Standards at work", etc. * "Design for EMC in Barco" * "ADI Wireless Sensor Network Solutions" * "PBA workflow and DX designer" * "LTopic" training
13	Vasso Gkatsi	Utwente	EMI Risk Assessment applied to the next generation vehicular communication devices	Recently started on April 1, 2020	---
14	Akram Ramazani	Melxis	Risk-Based EMI-Aware Design of an Automotive Integrated Circuit	* Studying how EMI affects ICs, how to design EMC robust ICs and EMI resistant analog ICs * Simulated an SoC IC undergoing an immunity test (all IP)	* "EMC" one-day training at Melis * "Signal Processing", "EMI of digital and analog systems" and "EMC oriented design" provided by KU Leuven
15	Fernando Arduli	Fraunhofer	EMI Risk Management on the scale of the Smart Grid as a network of systems	Expected start date is June 1, 2020	---



Training (1)

- During the PETER kick-off meeting (M11), the following trainings were given:
 - Open access and open science in scientific research (ESRs)
 - Ethics and integrity in scientific research (ESRs)
 - The Supervisor: role & responsibilities (Supervisors)



Training (2)

21

- The ESRs are following research-specific trainings and general (obligatory) trainings organized by their doctoral schools, as well as (international) scientific and soft-skill workshops outside the project
- **ONLINE** Network-wide trainings scheduled during this NWE1 (M14):
 - **Soft-skill Training I: Structured working (H. Garbe, LUH)**
 - **Soft-skill Training II: Giving a high-impact presentation (T. Pusch, Fraunhofer)**
 - **S/T Training I: Short Pulse Technologies with Illustrative Applications (D. Giri, guest lecture)**
 - **S/T Trainin II: Introduction to Risk Analysis (M. Schaarschmidt, WIS)**



22

Recruitment

Recruitment (1)

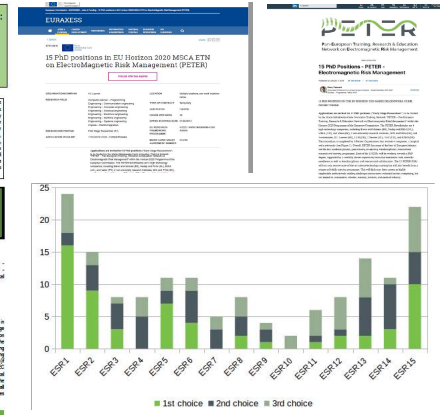
23

- The 15 PhD positions (Early Stage Researchers) were opened between January 7 and March 17, 2019.
- The open positions were widely advertised on several channels (Euraxess, PETER project website, Social Media incl. LinkedIn, ResearchGate, job sites).
- >150 candidates (44 different nationalities) applied using the online application tool on the etn-peter.eu website.
- A list of 28 preselected candidates (22 male and 6 female) was officially announced on April 9, 2019.
- Preselected candidates were invited to the centralized Recruitment Event in Bruges (May 15, 2019).
- 4 preselected candidates resigned before the recruiting event. 16 out of the 24 remaining candidates were present in person at the recruiting event and 8 of them (who were not able to participate due to VISA proceedings delay) used the video presentation option.

Recruitment (2)

24

The screenshot shows the recruitment page for 15 PhD positions in the EU Horizon 2020 Marie Skłodowska-Curie Project. It includes the PETER logo, a description of the project, and a list of key dates: Jan 07 2019, Jan 17 2019, Mar 17 2019, Apr 09 2019, and May 15 2019. It also features a section for 'Key background info' with the EU flag and a 'Research and safety' section.



Recruitment (3)

25

- During 4 parallel sessions, the 16 candidates presented themselves, their background and their motivation.
- Video interviews of candidates following alternative procedure were shown.
- A time slot of 45 minutes has been allocated for each candidate for the presentation and for the jury members to interview the candidates. Then each Jury Group had a 45 minutes deliberation meeting to assess the suitability of each candidate for the ESR position they applied for.
- Another half hour plenary deliberation meeting took place with all Jury Groups members and the management team.

Recruitment (4)

26

- A final decision on the selection of 13 candidates was agreed during the final deliberation meeting on May 15, 2019.
- The official list of ESRs proposed for recruitment was officially communicated by email on May 17, 2019.
- The 13 selected candidates have 7 different nationalities, 4 out of 13 are female.

Recruitment (5)

27

- 12 candidates accepted the proposed ESR position.
- One proposed candidate rejected the offer the ESR7 position, By consequence, the candidate on the reserve list was proposed this ESR7 position and accepted this.
- The ESR6 position remained open after the Recruitment Event. A suitable candidate was found following the same organization and structure as the interviews on the recruitment event itself.
- The prospective ESR11 candidate resigned in July 2019 due to medical reasons. By consequence, this ESR11 was re-opened for recruitment by UoY. A suitable candidate was found following the same organization and structure as the interviews on the recruitment event itself. The recruited ESR11 candidate recently started on March 30, 2020.

Recruitment (6)

28

- As a result of Nedap's withdrawal as a PETER beneficiary in August 2019, the ES13 position has been transferred from Nedap to UTwente. As no candidate for this position was recruited at the PETER Recruitment Event, the ESR13 position has been re-opened on September 19, 2019 by UTwente. A suitable candidate was found following the same organization and structure as the interviews on the recruitment event itself. The recruited ESR13 candidate recently started on April 1, 2020.
- On August 12, 2019, the selected candidate for the ESR15 position withdrew his application. Therefore, on September 13, 2019, the ESR15 position has been re-opened. A suitable candidate was found following the same organization and structure as the interviews on the recruitment event itself. The recruited ESR15 candidate is expected to start on June 1, 2020 because he will finish his MSc in May 2020.

Recruitment (7)

[MSCA ETN PETER] EARLY STAGE RESEARCHERS						
ESR	First Name	Last Name	Gender	Country of origin	Affiliation	Start date
1	Samikshya	Ghosalkar	Female	India	LUH	15/11/2019
2	Arash	Nateghi	Male	United Kingdom	BDV	1/11/2019
3	Lokesh	Devaraj	Male	India	Horiba-MIRA	11/11/2019
4	Mumpy	Das	Female	India	UTwente	1/09/2019
5	Hassan	Habib	Male	Pakistan	KU Leuven	1/09/2019
6	Pejman	Memar	Male	Iran	KU Leuven	1/10/2019
7	Qazi Mashaal	Khan	Male	Pakistan	ESEO	12/11/2019
8	Oskari	Leppäaho	Male	Finland	Valeo	6/01/2020
9	Arunkumar	Venkateshaiah	Male	India	University of York	1/10/2020
10	Nancy	Omolio	Female	Kenya	RH Marine	1/09/2019
11	Mohammad	Tisbehzan	Male	Iran	University of York	30/03/2020
12	Zhao	Chen	Male	China	Barco	1/01/2020
13	Vassio	Gkatsi	Female	Greece	U Twente	1/04/2020
14	Akram	Ramezani	Female	Iran	Melexis	1/11/2019
15	Fernando	Arduini	Male	Brazil	Frounhofer	1/06/2020

Recruited and started ESRs (14/15)

Samikshya Ghosalkar
ESR1 (Leibniz University Hannover)
[more about Samikshya](#)

Arash Nateghi
ESR2 (Technische Universität Braunschweig)
[more about Arash](#)

Lokesh Devaraj
ESR3 (Horiba Mira Ltd.)
[more about Lokesh](#)

Mumpy Das
ESR4 (University of Twente)
[more about Mumpy](#)

Hasan Habib
ESR5 (KU Leuven)
[more about Hasan](#)

Pejman Memar
ESR6 (KU Leuven)
[more about Pejman](#)

Qazi Mashaal Khan
ESR7 (ESEO)
[more about Qazi](#)

Oskari Leppäaho
ESR8 (Valeo)
[more about Oskari](#)

Recruited and started ESRs (14/15)

Arunkumar H. Venkateshaiah
ESR9 (University of York)
[more about Arunkumar](#)

Nancy Omolio
ESR10 (RH Marine)
[more about Nancy](#)

Mohammad Tisbehzan
ESR11 (University of York)
[more about Mohammad](#)

Zhao Chen
ESR12 (Barco NV)
[more about Zhao](#)

Vasiliki Gkatsi
ESR13 (University of Twente)
[more about Ramezani](#)

Akram Ramezani
ESR14 (Melexis)
[more about Ramezani](#)

PETER Supervisory Committees

ESR	Candidate	Host	Supervisor	Co-supervisors/mentors
ESR1	Samikshya Ghosalkar (f)	LUH	H. Garbe	M. Suhrke (FHG), JK van der Ven (RHM)
ESR2	Arash Nateghi (m)	WIS	M. Schaarschmidt	H. Garbe (LUH), R. Deseine (Barco)
ESR3	Lokesh Devaraj (m)	Horiba-Mira	A. Ruddle	A. Duffy (DMU), M. Stojanovic (Valeo)
ESR4	Mumpy Das (f)	UTwente	F. Leferink	B. van den Berg (MST), D. Pissoort (KU Leuven)
ESR5	Hasan Habib (m)	KU Leuven	D. Pissoort	G. Vandenbosch (KU Leuven), R. Deseine (Barco)
ESR6	Pejman Memar (m)	KU Leuven	J. Boydens	T. Holvoet (KU Leuven), B. van den Berg (MST)
ESR7	Qazi Mashaal Khan (m)	ESEO	R. Perdriau	M. Koohestani (ESEO), H. Pues (Melexis)
ESR8	Oskari Leppäaho (m)	Valeo	P. Fernandez-Lopez	M. Ramdani (ESEO), D. Pissoort (KU Leuven)

PETER Supervisory Committees

33

ESR	Candidate	Host	Supervisors	Assessors/Mentors
ESR9	Arunkumar Hunasannahalli Venkateshaiah (m)	UoY	<u>J. Dawson</u>	M. Trefzer (UoY), H. Pues (Melexis)
ESR10	Nancy Omolla (f)	RH Marine	<u>JK van der Ven</u>	F. Leferink (Utwente), P. Huntley-Hawkins (LR)
ESR11	Mohammad Tishezhan (m)	UoY	<u>M. Nicholson</u> , <u>John Dawson</u>	P. Huntley-Hawkins (LR), F. Leferink (Utwente)
ESR12	Zhao Chen (m)	Barco	<u>R. Deseine</u>	D Pissoort (KU Leuven), F. Sabath (WIS)
ESR13	Vasso Gkatsi (f)	Utwente	<u>F. Leferink</u>	J. van der Willik (Nedap), P. Fernandez-Lopez (Valeo)
ESR14	Akram Ramezani (f)	Melexis	<u>H. Pues</u>	W. Dehaene (KU Leuven), R. Perdriau (ESEO)
ESR15	<u>Fernando Arduini (m)</u>	Fraunhofer	<u>M. Suhrke</u>	H. Garbe (LUH), F. Leferink (Utwente)

MSCA-ETN PETER NWE 1

May 26-29, 2020

Personal Career Development Plan

34

- All recruited ESRs developed, in dialogue with their supervisors, a Personal Career Development Plan (PCDP).
- 10 signed PCDPs have been uploaded to the participants portal (D5.2 PCDP Report) in January, 2020.
- Signed PCDPs for ESR8, ESR11, ESR12 and ESR13 have been sent to the PETER project manager and will be added to the already submitted Deliverable D5.2 PCDP Report after approval by the Project Officer.
- During PETER NWEs, PCDP progress sessions will be organised (ESRs & PETER Training Coordinator).
- Progress reports of the PCDPs to Supervisory Board are a 6 monthly recurring Deliverable.

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May 26-29, 2020

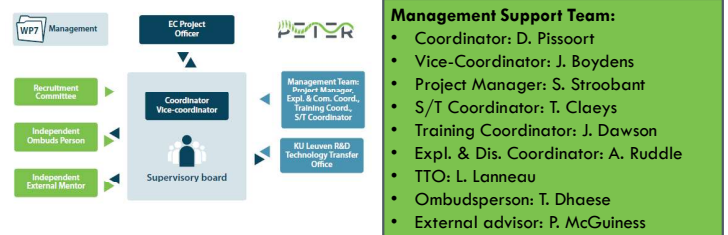


35

Project Management

Project Management (1)

36



MSCA-ETN PETER NWE 1

May 26-29, 2020

Project Management (2)

37

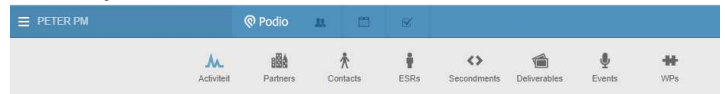
- In April 2019, S. Stroobant started as a dedicated project manager (for ETN PETER and ETN SAS).
- The general coordinator, vice-coordinator, S/T coordinator and project manager meet at least monthly to discuss possible urgent matters.
- The full Management Support Team meets physically at least every six months, typically at the PETER Network Wide Events
- In these team meetings, a full overview of the project is discussed and attention is given to the S/T, training, secondments, milestones, deliverables, upcoming Network-Wide Events

Project Management (3)

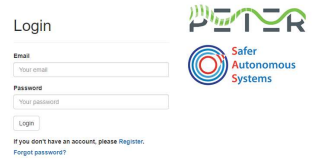
38

Software tools:

- PETER Management team and PETER ESRs will be using **PODIO** Intranet as a collaborative working tool



- Paper Archiving System is set and will be used by ESRs for scientific paper management and reporting; the tool is integrated with the project website (Communication section)
- Research data files are being stored on the servers of each institution.



Supervisory Board (1)

39

- The Supervisory Board (SB) established by the PETER network is the ultimate decision-making body of the consortium.
- The SB evaluates the scientific and technical progress of the research and training activities and to refine the plans accordingly.

Supervisory Board (2)

40

<p>Group 1 (1 vote per beneficiary):</p> <ul style="list-style-type: none"> • D. Pissoort (PC, KU Leuven) • J. Boydens (VC, KU Leuven) • T. Claeys (S/T C, KU Leuven) • One representative from each Project Beneficiary: <ul style="list-style-type: none"> • R. Deseine (Barco) • H. Pues (Melexis) • H. Garbe (LUH) • M. Schaarschmidt (WIS) • M. Suhrke (FHG) • F. Leferink (Utwente) • J.K. van der Ven (RH Marine) • J. Dawson (UoY) • A. Ruddle (Horiba-Mira) • M. Ramdani (ESEO) • P. Fernandez-Lopez (Valeo) 	<p>Group 2 (no formal voting rights):</p> <ul style="list-style-type: none"> • S. Stroobant (PM, KU Leuven) • One representative from each Partner Organisation: <ul style="list-style-type: none"> • J. Bredemeyer (FCS) • F. Leferink (Thales) • B. van den Berg (MST) • K. Armstrong (CCC) • P. Huntley-Hawkins (LR) • A. Duffy (DMU) • J. van der Willik (Nedap) • Qazi Mashaal Khan as the ESR representative
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PETER Website

42

- New PETER-website since Sept 1 2019 (temporary website was available between June 27 2018 and Sep 1 2019)



41

Communication and Dissemination



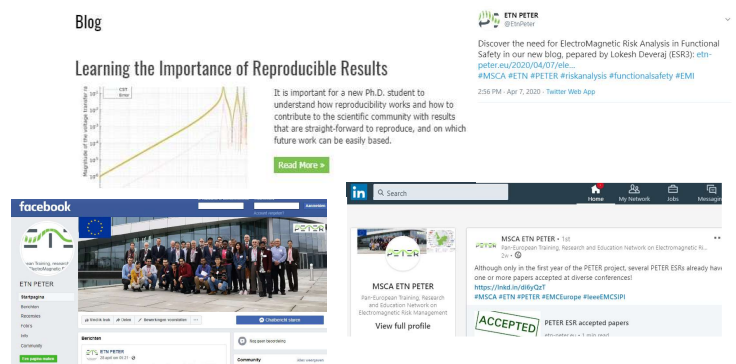
PETER Blogs, Social Media,...

43

- ESRs are involved in communication and dissemination activities.
- So far, the ESRs have written and published 6 blog posts presenting their work for the general public.
- They have published several posts on Social Media (on PETER Facebook, Twitter & LinkedIn channels)
- ESR Researcher Council and informal moments during network-wide events ideal place/ moments to discuss these items and come up with new ideas.

PETER Blogs and Social Media (e.g. Facebook, LinkedIn, Twitter, etc.)

44





PETER Promo Video

45

- Example SAS project: <https://www.youtube.com/watch?v=L1jEceW29NQ>
- A PETER Promo Video will be developed and published during the second year of the PETER Project.
- This Video will explain the project goals, and present the team and the collaborating partners,
- This video will be made in collaboration with Storyrunner.

MSCA-ETN PETER NWE 1

May 26-29, 2020



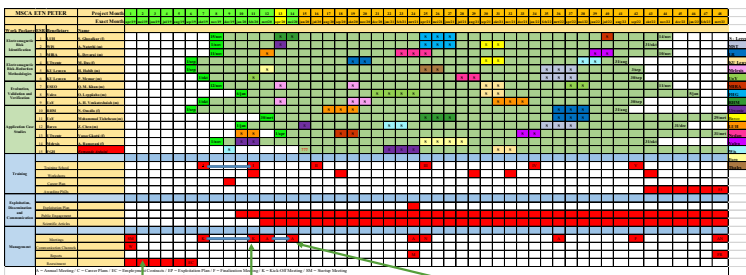
46

Deliverables & Milestones

PETER Gantt Chart (M1 = April 2019)



47



PETER Recruitment Event
Bruges, 14-15/05/2019

PETER Kick-Off
Barco, Kortrijk 4-5/02/2020

PETER NWE 1,
Mid-Term Review
Online Meetings, 26-29/05/2020

Researcher Declarations



48

All 14 Researcher Declarations have been submitted

No.	Fellow ID	First Name	Last Name	Status	Recruitment Organization	Start Date	End Date	Working Time	Commitment	Duration
1	1	Hasan	Habib	SUBMITTED	Katholieke Universiteit Leuven	01-09-2019	27-10-2019	Full Time	36	36
2	2	Hancy	Ondilo	SUBMITTED	Rijksmarine Nieuwlands Bv	01-11-2019	02-09-2022	Full Time	36	36
3	3	Hunpy	Das	SUBMITTED	Universiteit Twente	01-08-2019	31-08-2022	Full Time	36	36
4	4	Anurkumar	Hunasanahalli Venkateshiah	SUBMITTED	University Of York	01-10-2019	30-09-2022	Full Time	36	36
5	5	Pejman	Memar	SUBMITTED	Katholieke Universiteit Leuven	01-10-2019	30-09-2022	Full Time	36	36
6	6	Arash	Nabaghi	SUBMITTED	Bundesministerium Der Verteidigung	01-11-2019	31-10-2022	Full Time	36	36
7	7	Lokesh	Devraj	SUBMITTED	Horiba Mira Limited	11-11-2019	10-11-2022	Full Time	36	36
8	8	Sandeep	Ginsakar	SUBMITTED	Geoffred Wilhelm Leibniz Universität Hannover	15-10-2019	14-10-2022	Full Time	36	36
9	9	Qazi Hasham	YAHAN	SUBMITTED	Leconte Supérieure De L'electronique De Louvain	12-11-2019	11-11-2022	Full Time	36	36
10	10	Akram	Ramezani	SUBMITTED	Mellets Technologies	01-11-2019	31-10-2022	Full Time	36	36
11	11	Zhao	Chan	SUBMITTED	Barco nv	01-01-2020	31-12-2022	Full Time	36	36
12	12	Osari	Leppakhe	SUBMITTED	Valco Comfort And Driving Assistance	06-01-2020	05-01-2023	Full Time	36	36
13	13	Mohammed	Tibetazan	SUBMITTED	University Of York	30-03-2020	29-03-2023	Full Time	36	36
14	14	Yasir	Ghazal	SUBMITTED	Universiteit Twente	01-04-2020	31-03-2023	Full Time	36	36

MSCA-ETN PETER NWE 1

May 26-29, 2020

Project Deliverables

Deliverables

49

50

Submitted Deliverables

- D6.1 Project website
- D7.1 Internal/External Communication channels
- D7.3 Consortium Agreement
- D7.4 Supervisory Board of the Network
- D5.1 PETER Kick-Off Meeting
- D5.2 15 Personal Career Development Plans (PCDP) >> rejected because not all 15 ESRs have started at this moment.
- D7.2 Employment contracts with ESRs
- D8.1 GEN – Requirement No. 1
- D7.5 Progress report

MSCA-ETN PETER NWE 1

May 26-29, 2020



Deliverables, Ethics, OMP, Other Reports

For each Deliverable, a single file (max 50MB) can be uploaded.

Details provided here in template for the Progress Report: [Download template](#)

State: Ethics: [Download](#)

WP No.	Del No.	Del No.	Title	Description	Lead Inst.	Visibility	Submission	Del. Del. Date	Rev. Del. Date	Progress Date	Approval	Status
WP1	D6.1	D16	Project website	Project website internal/external/UC	KU Leuven	Webinars, D	Public	20 Apr 2019		07 Aug 2019	Submitted	OK
WP7	D7.1	D19	Internal/External Communication channels	Internal/External Communication channels	KU Leuven	Webinars, D	Confidential	20 Apr 2019		07 Aug 2019	Submitted	OK
WP7	D7.3	D18	Consortium Agreement	Consortium agreement to be signed by all partners	IMI Leuven	Other	Confidential	11 May 2019		04 Oct 2019	Submitted	OK
WP7	D7.4	D40	Supervisory Board of the network	Document establishing the Supervisory Board and...	KU Leuven	Other	Confidential	21 Oct 2019		24 Nov 2019	Submitted	OK
WP5	D5.1	D21	PETER Kick-Off Meeting/Training School I	PETER Kick-Off Meeting/Training School I	BARCO IMV	Other	Public	31 Oct 2019		29 Feb 2020	Submitted	OK
WP5	D5.2	D22	15 Personal Career Development Plans (PCDP)	15 Personal Career Development Plans (PCDP)	UMI	Report	Confidential	31 Dec 2019		20 May 2020	Submitted	OK
WP5	D5.1.1	D23	PETER special sessions/workshops I	PETER Special Session at the Safety Critical Sy...	UMI	Other	Public	28 Feb 2020			Pending	OK
WP7	D7.2	D41	Employment contracts with ESRs	Employment contracts with ESRs	KU Leuven	Report	Confidential	31 Mar 2020		23 Jun 2020	Submitted	OK
WP5	D5.1	D1	OSI - Requirement No. 1	Details on general use for report approval...	KU Leuven	Other	Confidential	31 Mar 2020		01 Apr 2020	Submitted	OK
WP7	D7.3	D41	Progress report	Progress report submitted to the REA covering 1...	KU Leuven	Report	Confidential	20 Apr 2020		04 May 2020	Submitted	OK
WP5	D5.2	D23	Progress report of PCDP to Supervisory Board	Progress report of PCDP to Supervisory Board	UMI	Report	Confidential	31 Jul 2020			Pending	OK
WP5	D5.2	D23	PETER Training School II	PETER Training School II	UMI	Other	Public	31 Jul 2020			Pending	OK
WP5	D5.2	D24	PETER special sessions/workshops I	PETER Workshop at the 6th Europe Symposium	Hedera	Other	Public	30 Sep 2020			Pending	OK
WP7	D7.1	D1	Basic description statistical electrotransport	Basic description statistical electrotransport	UMI	Report	Public	31 Oct 2020			Pending	OK
WP2	D2.1	D2	Overview of EM-relevant IECAS/ESR activities	Overview of EM-relevant IECAS/ESR activities	KU Leuven	Report	Public	31 Oct 2020			Pending	OK

MSCA-ETN PETER NWE 1

May 26-29, 2020

Milestones

51



Milestones

Number	Name	Lead Beneficiary	Delivery Date (actual)	Actual	Delivery Date (actual)	Comments
1	Internal and external communication	KU Leuven	20 Apr 2019	OK	05 Aug 2019	Deliverable 7.1 has been submitted regarding the PETER Internal and External Communication Channels
2	Start-up MT meeting	KU Leuven	20 Apr 2019	OK	15 Sep 2019	Start-up MT meeting was held at the PETER Recruitment Event on May 14-15, 2019 in Ghent, Belgium.
4	PETER Kick-Off Meeting/Training School I	BARCO IMV	31 Oct 2019	OK	09 Feb 2020	PETER Kick-Off Meeting at BARCO has been postponed to February 4-5, 2020.
5	Personal Career Development Plans	UMI	31 Dec 2019	OK	13 Jan 2020	Deliverable 5.2 has been submitted on January 13th, 2020. This Deliverable contains the first drafts of the signed PCDPs of 10 PETER ESRs who are already interested. During August PETER activity, PCDP progress became visible in September 2019. The signed PCDPs will be added to the Progress Report Deliverable 5.3 (due 29th October 2020). At this moment, 14 ESRs have started on the PETER Project. ESR15 (Participant) is expected to start on June 1, 2020.
3	Planned recruitments completed	KU Leuven	31 Mar 2020	OK		
6	Annual ISB meeting I	KU Leuven	31 Mar 2020	OK		
29	Project Check	KU Leuven	30 Jun 2020	OK		
10	PETER Training School II	LLM	31 Jul 2020	OK		
11	Theoretical basis for statistical risk assessment	LLM	31 Oct 2020	OK		
7	Annual ISB meeting II	KU Leuven	31 Mar 2021	OK		
13	Exploitation plan	KU Leuven	31 Mar 2021	OK		
14	IC to measure electrical energy availability	UMI	31 Mar 2021	OK		
15	IC to measure electrical energy use ESR	UMI	31 Mar 2021	OK		

MSCA-ETN PETER NWE 1

May 26-29, 2020

52 Questions or Remarks?



52 Questions or Remarks?

Annex 9

PPT Template “ESR Pitch Presentation”



Pan-European Training, research and education network on ElectroMagnetic Risk management.



MY NAME (MY AFFILIATION)

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812790

MSCA-ETN PETER Network-Wide Event 1
May 26-29 2020, Online Network-Wide Event

Instructions for your ESR presentation

2

- ❑ **1: slide** – background – (where do you come from, studies)
- ❑ **2 – 4: slides** on your research – objective – methodology used – results (so far)
- ❑ **5: slide(s)** regarding your training (if you have followed the same wide training events, you do not have to repeat it as it will be already presented by the Coordinator earlier on, but rather trainings you attended which were tailor made for your specific research)
- ❑ **6: slide(s)** regarding dissemination / communication / outreach activities / conference attendance (this applies also as for the training) / secondments (if applicable)
- ❑ **7:** your expectations with regard to your future career as MSCA fellow
- ❑ **You should speak for about 5-7 min and have 2 minutes for questions.**
- ❑ **Please hide/delete this slide in your final presentation.**

MSCA-ETN PETER NWE 1

ESR X

May 26-27 2020



Bio data + professional background

3

❖ **One Slide**

MSCA-ETN PETER NWE 1

ESR X

May 26-27 2020



My ESR(x) project (title)

4

- ❖ Describe your research – objective – methodology – results (so far)

MSCA-ETN PETER NWE 1

ESR X

May 26-27 2020



Training

5

- ❖ Describe trainings you attended which were tailor made for your specific research
- ❖ No need to mention here the trainings at PETER Kick-Off Event

MSCA-ETN PETER NWE 1

ESR X

May 26-27 2020



Dissemination – communication - outreach

6

- ❖ Describe your outreach activities
- ❖ Conference attendance
- ❖ Secondment(s) (if applicable)

MSCA-ETN PETER NWE 1

ESR X

May 26-27 2020



Future career as MSCA fellow

7

- ❖ Describe your expectations regarding your future career as MSCA fellow

MSCA-ETN PETER NWE 1

ESR X

May 26-27 2020

Annex 10

Report ESR Council Network-Wide Event 1 May 27, 2020

MSCA ETN PETER NWE1 May 27, 2020 14:00 - 15:00 Online Meeting

ESRs Council

President (1 ESR): Qazi Mashaal Khan (ESR7)

Secretary (1 ESR): Arunkumar Hunasanahalli Venkateshaiah (ESR9)

Guidelines

The goal of the Researcher Council is to discuss project-related topics between the ESRs and facilitate interaction between the ESRs. Personal issues or issues with your supervisor should not be discussed here (for this, the MST can be contacted). Experiences in your own research can be shared, as well as discussions on training, communication, and project management.

To moderate the meeting, each time one President and one Secretary is appointed to take notes and prepare a short report. This can be used as a basis for reporting to the Supervisory Board.



REPORT ESR Council MSCA ETN PETER NWE1

Goals of the ESR Council:

Facilitating interaction between ESRs is one of the key factors in this ESR council session, which will take place in each Network Wide Events (NWEs). Discussions regarding blogs, secondment issues, pieces of training, dissemination, and communications will take place in these sessions. All ESRs will share their respective experiences in their journey of research until this event. For each NWE there will be one President (ESR representative) and one Secretary to report about these sessions to Supervisory Board (SB). For NWE1, Qazi Mashaal Khan (ESR 7) has been selected as President and Arunkumar Hunasanahalli Venkateshaiah (ESR 9) has been elected as Secretary.

Secondment (Virtual) Preferences

After discussion with the SB, it was mutually agreed that a responsible delay to the individual secondments is preferred rather than making it Virtual. Virtual secondments are proposed for courses, repetitive travel, visa issues and long delays in commencing. Each ESR agreed to provide a secondment plan with the consent of their respective supervisors. It will be made sure to align them with the set of milestones and deliverables in each PETER work package. At the moment, one or two ESRs were in favour of a virtual secondment corresponding to their situations. The one who declared was:

Online Secondment: Oskari Leppaho (ESR 8), Secondment Univ of York, 2 months (part time), Oct 2020.

PETER Promo Video:

A PETER promotion video will be developed in collaboration with Storyrunner for a duration of two to four minutes. Filming will take place in EMC facilities located in Bruges, Belgium for two days in the month of August or September in 2020. Any two ESRs one male and one female with excellent communication skills and confidence are required for the filming. Most importantly, Supervisory Board (SB) preferred the ESRs who are close to or in Belgium and who do not have any travel restrictions (visa) to Belgium. By considering all the qualities that SB demanded, two ESRs were chosen in the ESR council session. One male ESR Pejman (ESR 6) was elected by ESRs and one female ESR Vasso (ESR 15) was chosen as per the recommendations given by SB.

Activities on Social Media:

As we can see clearly, the successful social media activities, which helped to outreach until, now are from LinkedIn. Other social media pages like Facebook and Twitter had very limited activities and outreach to date. Imperatively all ESRs and all members from the PETER project



should contribute to the PETER official social media pages. ESRs who are responsible for frequent posts on official LinkedIn, Twitter, Podio, and Facebook pages are Hasan (ESR 5), Lokesh (ESR 3), and Pejman (ESR 6).

Frequent blogs on the official PETER website is necessary to provide quality content to the social media pages. Technical or social blogs are expected from the ESRs at least every three weeks. Each ESR must submit a minimum of four blogs during their 36 months journey in this PETER project. ESR who is responsible for scheduling the blogs for each ESR is Samikshya (ESR 1).

Research Gate:

ResearchGate is the professional network for all the researchers around the world, it allows us to share, discover, and discuss about our PETER project research with professional researchers all over the world. To increase the visibility of the PETER project and its publications, a PETER ResearchGate project is proposed and maintained by one ESR. Currently, in total nine ESRs are active in ResearchGate, and the remaining ESRs will create their profile as soon as possible. All the ESRs agreed to include ResearchGate to communication, outreach, and dissemination activities. To create and maintain the project, to invite other ESRs, and to update new publications from the PETER project in ResearchGate an ESR Mumpy (ESR 4) has been appointed.

MCAA:

Marie Curie Alumni Association (MCAA) is a global network of more than 10,000 researchers (including present ITN ESR fellows). International transdisciplinary collaborations and help from Alumni is provided. It is another platform to promote PETER. Different EU MCAA have their chapters (e.g. France Chapter). It is useful for courses, conferences, self-assessment/certified trainings, which will improve the LinkedIn profiles of fellow ESRs. Five PETER ESRs already had an MCAA account and were aware of their international work. Other ESRs were encouraged to make their accounts and join it to be a part of a bigger network. Zhao Chen (ESR 12) was elected to create and manage a specific PETER MCAA chapter. Its purpose will be to keep all ESRs updated of MCAA activities/events and update the chapter with PETER social activities as well.

Personal Input & Working Remotely

All esrs agreed that their work had been affected marginally due to COVID-19. For PhD students the proper work environment is a stimulus to conduct progressive research. However, the solution was to postpone part of their work, which could not be performed remotely to a later date. . All esrs were encouraged to focus on coursework, webinars, Literature Review, article, blogs and social media activity for PETER etc. Regarding supervision all of them had no issues and were well handled by their host organizations. Some technical skills developed were shared with other ESRs like effective use of Keywords (compilation of



papers), use of Latex, innovative ways of making power point slides and habitation of tele working. An online meeting with all ESRs will be organized by Hasan Habib(ESR 5) each month to discuss research progress and a promote social interaction as a PETER community.

Kahoot Quiz:

Kahoot! is a gaming environment, in which an organizer can create quizzes? It's a fun game where participants get points for each correct answer depending on the time taken for each question. Qazi Mashaal (ESR Representative) and Lokesh (ESR 3) organized this Kahoot quiz. Quiz had 63 questions in which most of them were multiple-choice questions, and few Polls were included. Questions were related to PETER ESRs, PETER project, General Knowledge, Riddles, Trivia, Social, and few technical questions. Each question had a time limit and had 1000 points, some had even 2000 points. ESRs got higher points when they answered the question faster. Each question had a time limit of 5 to 30 secs. After each question, points were displayed on the shared screen for interaction and discussion. In the end, we had three winners in this quiz and they are Vasso (ESR 15) [1st], Okari (ESR 8) [2nd], and Mohammad (ESR 11) [3rd]. According to the poll by the end of the quiz, 13 out of 15 ESRs agreed that this activity was fun, interactive, successful and would like to do it again in the future.





Pan-European Training, research and education network on ElectroMagnetic Risk management.



ESR Council

(prepared by ESR Representative)

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812790

MSCA-ETN PETER Network-Wide Event 1
May 26-29 2020, Online Network-Wide Event

Agenda

2

- Goals of the ESR Council
- Secondment (Virtual) preferences
- PETER Video
- Activities on Social media
- ResearchGate
- MCAA
- Personal Input & Working Remotely
- Kahoot Quiz (Instructions)
- Group photo (All ESRS)
- AOB

PETER NWE1 ESR Council

May 27th 2020



Goals

3

- Facilitate Interaction between ESRs.
- Discuss Project related topics, secondment issues.
- Experiences related to training and communication.
- ESR Council will be held at each PETER NWE.
- President is the ESR representative for each council.
- One Secretary appointed for each council.
- Secretary prepares a report for the SB.
- The Secretary elected for NWE1 is Arun (ESR 9).

PETER NWE 1 ESR COUNCIL

May 27th 2020



Secondment (Virtual) Preferences

4

- SB agreed that a responsible delay to the secondment is preferred rather than making it virtual.
- Virtual Secondments are proposed for courses, repetitive travel, Visa issues and long delays in commencing.
- ESRs should figure out how the secondments can be managed and effect their research.
- Each ESR is responsible to provide a "secondment plan" in dialogue with his/her supervisor what fits best and adds value to his/her research and the PETER Project, and still is aligning with the PETER Grant Agreement Annex I Description of the Action.
- Those in favour of online secondments : (hopefully less)
 - 1) Oskari/ESR 8/ york/ 2-3 months (part time)/ sep/oct 2020

PETER NWE 1 ESR COUNCIL

May 27th 2020

PETER Video with Storyrunner

- 5 A PETER promotion video will be developed in collaboration with Storyrunner.
- Example : SAS Video (Check it out) (2 minutes).
- Video presents project goal, ESRs & impact on society.
- Filming : Bruges, Belgium , Aug/Sep 2020. (2 days).
- 2 ESRs required (M&F) with excellent communication skills and confidence. SB prefers those in Belgium, organized by KU Leuven. Those with a visa requirement/travel issues not preferred.
- Any Volunteers ?
- Elected Actors are
Pejman ESR(6) & Vasso ESR(13).

PETER NWE 1 ESR COUNCIL



Activities on Social Media

- 6 What were the successful social media activities till now ? (Facebook, LinkedIn, Blogs & Twitter). LinkedIn, Blogs.
- Facebook page & Twitter had very limited activities and outreach.
- After the PODIO session, FB & Twitter pages will be handled directly by us.
- More ESRs should contribute to the PETER social media, specifically blogs.
- Technical/ Social Blogs should be updated every 3 weeks.
- Minimum 4 Blogs expected from each ESR during the project timeframe.
- Appointed ESR for LinkedIn/twitter : Hasan/pejman (ESR 8)
- Appointed ESR for Facebook page : Lokesh (ESR 3).
- Appointed ESR for Blog Scheduling : Samikshya (ESR 1).
- Do these positions need to be updated/elected ? yes



ResearchGate



- 7 Proposed PETER ResearchGate project to increase the visibility of PETER project/publications.
- How many ESRs are active on ResearchGate ? 9 ESRs. Those not active make their profiles soon.
- Do you support the idea to add this to Communication, Outreach and dissemination activities ? yes
- ESR responsible to manage the PETER project, create/ invite ESRs/ follow up PETER publications into the project etc.
- Elected ESR for ResearchGate
Mumpy ESR (4).

PETER NWE 1 ESR COUNCIL



MCAA

- 8 MCAA (Marie Curie Alumni Association) is a global network of more than 10,000 researchers, open to current MSCA fellows as well.
- International transdisciplinary collaborations, help from Alumni in handling research, events and promotion of PETER.
- Different EU MCAA chapters resolving problems for that specific EU country. (e.g. Active member France Chapter).
- Courses/conferences/ self-assessment/ certified trainings improve your LinkedIn profile.
- Those already a member of MCAA ? ESRs (5).
- ESR for handling MCAA : Zhao (ESR 12).
- Join it to be a part of a bigger network.

PETER NWE 1 ESR COUNCIL



Personal Input & Working Remotely

- 9 What practices did you develop that can be relevant to other ESRs ? Any improvements required? Discuss any technical/interpersonal skills developed.
- What is your personal input in achieving the overall goal of the project till now ? Discuss your strategies that can motivate/help other ESRs.
- Are all ESRs properly supervised during this pandemic while working remotely? If not then mention possible problems your facing.
- Has your progress reduced during this period ? For PhD students the proper work environment is a stimulus to conduct progressive research.
- Make sure to focus on the part of your PhD that can be done remotely (simulations, courses, webinars, Literature review, article, blogs, focus on PETER Social media 😊).
- An Online Meeting arranged with all ESRs. Once every month.

Online Kahoot Quiz (Instructions)

- 10 A Kahoot Quiz is prepared for 12 ESRs by myself and Lokesh (ESR 3). We will host it together remotely through Microsoft Teams.
- Timings : 28th May 2020 , Thursday, (7pm to 9pm (ECT)) (Even longer 😊)
- Comprises of 61 MCQs, T/Fs, Puzzle, Polls. Some have multiple answers.
- The questions are related to PETER ESRs, PETER project, GK, Riddles, Trivia, Social, very few are (technical). One horror movie scene, be prepared.
- Each question will have a time limit and have 1000 points. The faster you answer the higher points you get. Time limit : 5/10/20/30 sec.
- Answer displayed, Interaction and discussion after each question.
- Top 3 winners will be announced at the end. Lets see some competition.
- Make sure to install the Kahoot Application in your phones (Android/IOS).
- This Quiz is super fun and will make it the best part of the event.

Group Photo (All ESRS)

11 **SELFIE TIME!!!!!! Get in to your Poses** 🤳😊



AOB

- 12 Questions/Remarks

Annex 11

PPT Presentation “Conclusions of the NWE + next steps”



Pan-European Training, research and education network on ElectroMagnetic Risk management.



CONCLUSION OF THE MEETING PROJECT NEXT STEPS

This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER Network-Wide Event 1
May 26-29, 2020 – Online Event

2



This project has received funding from the European Union's EU Framework Programme for Research and Innovation Horizon 2020 under Grant Agreement No. 812.790

MSCA-ETN PETER NWE 1

May 26-29, 2020

NWE 1

Agenda Day 3-4 (Thu-Fri, May 28-29)



3

THURSDAY 28.05.2020 – Day 3: S/T Trainings and Soft-Skill Trainings ESRs + Optional: Management Support Team + Supervisors & their colleagues

Time		Presenter	Online
09:00 - 10:15	Soft-Skill Training: <i>Structured Working</i>	H. Garbe	Microsoft Teams
10:45 - 12:00	Soft-Skill Training: <i>Giving a high-impact presentation</i>	T. Pusch	
13:00 - 14:30	S/T Training: <i>Short Pulse Technologies with Illustrative Applications</i>	D. Giri	Microsoft Teams
15:00 - 16:30	S/T Training: <i>Introduction to Risk Analysis</i>	M. Schaarschmidt	Microsoft Teams
19:00 - ...	ESRs Online Activity: <i>Kahoot Quiz</i>	ESRs	Microsoft Teams

FRIDAY 29.05.2020 – Day 4: Communication strategy evaluation + PODIO ESRs + S/T Manager + Project Manager + Communication Manager

Time		Presenter	Online
09:30 - 11:00	Communication strategy evaluation Introduction to PODIO Intranet Introduction to Paper Archiving System	S. Stroobant J. Vankeirsbilck	Microsoft Teams

MSCA-ETN PETER NWE 1

May 26-29, 2020

4

WP1 -4 Parallel Sessions

- Actions + outcome of the sessions
- S/T Coordinator Tim Claeys will follow up
 - Through online meetings:
 - Progress in research
 - Deliverables and milestones
 - Possible collaboration
 - Dates will be set by a doodle to the ESRs
 - (Co-)Supervisor will be kindly invited
- 2-monthly online meetings, starting in September 2020: all ESRs within each WP + the WP leader

MSCA-ETN PETER NWE 1

May 26-29, 2020

MID-TERM MEETING WITH PO MERCEDES

5

- ESRs presentations went very good, thanks to all the ESRs.
- Meeting between PO and fellow went very well.
- All ESRs are on track, keep up the good work in your research the next coming months/years.
- Project is running well as it goes, positive reactions regarding the implementation of the project.

MID-TERM MEETING WITH PO MERCEDES

6

- Some recommendations and Issues for follow up:
 - ESR15 Fernando @Fraunhofer: actual start date...
 - If needed, Amendment due to COVID-19 situation.
 - Secondment plan for each ESR in comparison with the original Grant Agreement Annex I Description of the Action
 - Trainings:
 - Open Access/ Ethics and integrity in scientific research: also possible that Mohammad, Vasso and Fernando can follow these. More information through Stephane.

PETER Supervisory Committees

7

ESR	Candidate	Host	Supervisor	Co-supervisors/mentors
ESR1	Samikshya Ghosalkar (f)	LUH	<u>H. Garbe</u>	M. Suhrke (FHG), JK van der Ven (RHM)
ESR2	Arash Nateghi (m)	WIS	<u>M. Schaarschmidt</u>	H. Garbe (LUH), R. Deseine (Barco)
ESR3	Lokesh Devaraj (m)	Horiba-Mira	<u>A. Ruddle</u>	A. Duffy (DMU), M. Stojanovic (Valeo)
ESR4	Mumpy Das (f)	Utwente	<u>F. Leferink</u>	B. van den Berg (MST), D. Pissoort (KU Leuven)
ESR5	Hasan Habib (m)	KU Leuven	<u>D. Pissoort</u>	G. Vandenbosch (KU Leuven), R. Deseine (Barco)
ESR6	Pejman Memar (m)	KU Leuven	<u>J. Boydens</u>	T. Holvoet (KU Leuven), B. van den Berg (MST)
ESR7	Qazi Mashaal Khan (m)	ESEO	<u>R. Perdriau</u>	M. Koohestani (ESEO), H. Pues (Melexis)
ESR8	Oskari Leppäaho (m)	Valeo	<u>P. Fernandez-Lopez</u>	M. Ramdani (ESEO), D. Pissoort (KU Leuven)

PETER Supervisory Committees

8

ESR	Candidate	Host	Supervisors	Assessors/Mentors
ESR9	Arunkumar Hunasanahalli Venkateshaiah (m)	UoY	<u>J. Dawson</u>	M. Trefzer (UoY), H. Pues (Melexis)
ESR10	Nancy Omollo (f)	RH Marine	<u>JK van der Ven</u>	F. Leferink (Utwente), P. Huntley-Hawkins (LR)
ESR11	Mohammad Tishezhan (m)	UoY	<u>M. Nicholson</u> , John Dawson	P. Huntley-Hawkins (LR), F. Leferink (Utwente)
ESR12	Zhao Chen (m)	Barco	<u>R. Deseine</u>	D. Pissoort (KU Leuven), F. Sabath (WIS)
ESR13	Vasso Gkatsi (f)	Utwente	<u>F. Leferink</u>	J. van der Willik (Nedap), P. Fernandez-Lopez (Valeo)
ESR14	Akram Ramezani (f)	Melexis	<u>H. Pues</u>	W. Dehaene (KU Leuven), R. Perdriau (ESEO)
ESR15	<u>Fernando Arduini (m)</u>	Fraunhofer	<u>M. Suhrke</u>	H. Garbe (LUH), F. Leferink (Utwente)

PETER Supervisory Committees

9

All **changes** regarding the supervisory committees with respect to the **PETER GA Annex 1 Description of the Action** need to be reported to the European Commission with reasoning + CV's of the new (co-)supervisors if applicable.
More information through the PM.

MSCA-ETN PETER NWE 1

May 26-29, 2020

PETER Deliverables and Milestones

10

- Deviation of the due dates of Deliverables and milestones: detailed information is needed why delayed, specify due dates, clarification why and how. "Deviation Template"
MITIGATION PLAN >>> ACTION PLAN
- Formal notifications regarding these changes are necessary through the EC Participant Portal in order to further align with the Description of the Action as stated in the PETER Grant Agreement Annex 1.

MSCA-ETN PETER NWE 1

May 26-29, 2020

First secondments (1)

11

ESR	Candidate	Host	Second 1	Period Second 1	Local Mentor Second 1	Second 2	Period Second 2	Local Mentor
ESR1	Samikshya Ghosalkar (f)	LUH	RHM	Sep – Okt 2020 (1m)	JK van der Ven	FHG	April - June 2021 (3m)	M. Suhrke
ESR2	Arash Nateghi (m)	WIS	UTwente	???	F. Leferink	FHG	April - June 2021 (3m)	M. Suhrke
ESR3	Lokesh Devaraj (m)	Horiba-Mira	LUH	November 2020 (1m)	H. Garbe	Nedap	Feb - April 2021 (3m)	J. van der Willik
ESR4	Mumpy Das (f)	UTwente	LR	Oct - Nov 2020 (2m)	???	Barco	Sep - Okt 2021 (2m)	R. Deseine
ESR5	Hasan Habib (m)	KU Leuven	ESEO	Postponed	???	Thales	April - May 2021 (2m)	F. Leferink
ESR6	Pejman Memar (m)	KU Leuven	UoY	Sep – Okt 2020 (1m)	J. Dawson	Nedap	July - Aug 2021 (2m)	J. van der Willik
ESR7	Qazi M. Khan (m)	ESEO	Melexis	???	H. Poes ???	KU Leuven	Sep - Oct 2021 (2m)	D. Pissoort
ESR8	Oskari Leppäaho (m)	Valeo	UoY	Dec 20 - Mar 21 (4m)	J. Dawson	KU Leuven	Sep - Oct 2021 (2m)	D. Pissoort

First secondments (2)

12

ESR	Candidate	Host	Second 1	Period Second 1	Local Mentor Second 1	Second 2	Period Second 2	Local Mentor
ESR9	Arunkumar H. Venkateshaiah (m)	UoY	Melexis	???	H. Poes ???	LUH	Oct - Dec 2021 (3m)	H. Garbe
ESR10	Nancy Omollo (f)	RHM	LUH	Aug - Oct 2020 (3m)	H. Garbe	LR	March - May 2022 (3m)	???
ESR11	Mohammad Tishezhan (m)	UoY	RHM	April - June 2021 (3m)	JK van der Ven	LR	March - May 2022 (3m)	???
ESR12	Zhao Chen (m)	Barco	UTwente	???	F. Leferink	WIS	Jan – Feb 2021 (2m)	???
ESR13	Vasso Gkatsi (f)	UTwente	LUH	???	H. Garbe	MIRA	Sep – Okt 2020 (2m)	A. Ruddle
ESR14	Akrom Ramezani (f)	Melexis	UTwente	???	F. Leferink	ESEO	April - July 2021 (4m)	???
ESR15	Fernando Arduini (m)	Fraunhofer	WIS	???	???	UTwente	Jan - March 2021 (3m)	F. Leferink

MSCA-ETN PETER NWE 1

May 26-29, 2020

First Secondments (3)

13

- Modifications (schedule changes, topic, location) can only be performed after PREVIOUS APPROVAL and on request and should be communicated with the PM who reports this to the PO !!
- Check if ESR's nationalities cause issues for the foreseen secondments and if specific procedures need to be followed
- Align the secondment timings with the institutions hosting secondments
- Confirm the modifications to the PM

First Secondments (4)

14

- Due to the current COVID-19 crisis, planned and rescheduled secondments in the months April – June 2020, are postponed until further notice.
- After each Secondment a Secondment Report needs to be written by the ESR, and signed by the ESR and the Secondment Hosting Supervisor.
 - Template will be sent out by Stephane.
- **IMPORTANT**
The Actual Secondment Period needs to be submitted at the H2020 Participant Portal (under the Tab 'Researchers') as soon as the Secondment has ended, so not sooner!

SOME IMPORTANT AND URGENT PETER HOMEWORK...

15

- Update and follow-up ESR15 Fernando...
- **First secondments overview: responsibility of each ESR in dialogue with his/her supervisor.**
 - **Secondment plan needed for each ESR for the next coming year (until NWE2 April 2021), and preferably aligned and send by the end of this summer to Stephane.**
- Impact of COVID-19 crisis: please inform PETER Management Team regarding any issues/difficulties that might occur so we can take contingency measures and align everything with the Project Officer.

REPORT NWE 1 + ACTION ITEMS

16

- NWE 1 Report + Action items will be sent out to all PETER Consortium members
- Please follow up the action items

Personal Career Development Plan

17

- Progress reports of the PCDPs to Supervisory Board are a recurring Deliverable.
- All recruited ESRs need to **update their PCDP**, in dialogue with their supervisors, and send their updated PCDP to Stephane **no later than June 30, 2020**.

Ethics

18

- EC required us to write a dedicated deliverable on ethical issues and potential dual use for non-civil application of the project and risk-mitigation strategies must be included
- Deliverable 8.1 written through collaboration between KU Leuven, WIS, Fraunhofer and Univ. of York
- Ethics Deliverable 8.1 has been submitted on April 1, 2020.
- Voluntary ethical self-assessment by every ESR
- Ethical Board:
 - KU Leuven: Prof. A. Vedder, Dr. T. Claeys
 - UoY: Dr. M. Nicholson

PETER Project Visual Identity (1/3)

19

To achieve the best dissemination and communication results, the following visual identifications and tools need to be used:

PETER Project Logo



PETER Project Visual Identity (2/3)

20

PETER Project Templates (for PPT, scientific conference presentations, newsletters, project reporting and



Pan-European Training, research and education network on ElectroMagnetic Risk management.



EU H2020 MSCA-ETN PETER
KICK-OFF MEETING – PART 1

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 101019720

MSCA-ETN PETER Kick-Off Meeting
February 4-5 2020, BARCO KORTRIJK - BELGIUM

PETER Project Visual Identity (3/3)

21

EU funding acknowledgement



This project has received funding from the European Union's
EU Framework Programme for Research and Innovation
Horizon 2020 under Grant Agreement No. 812.790

PETER Promo Video

22

- Example SAS project:
<https://www.youtube.com/watch?v=L1jEceW29NQ>
- A PETER Promo Video will be developed and published during the second year of the PETER Project.
- This Video will explain the project goals, and present the team and the collaborating partners.
- More information will be sent out by Stephane to the selected candidates for the PETER Video.

PETER Mailing lists

23

- The 3 following PETER mailing addresses are not reliable at this moment because they are blocked at some recipients sides due to huge spam attacks since the COVID-19 outbreak.
 - beneficiaries@etn-peter.eu
 - consortium@etn-peter.eu
 - esrs@etn-peter.eu

So please do not use them for now!!
- If everybody agrees, we will distribute the PETER mailing lists to all PETER consortium members in order for all of you to communicate and further align.

Conference Call autumn 2020 + Next NWEs 2 and 3

24

- **Conference Call with PETER Consortium:**
Oktober/November 2020.
Doodle will be sent out to set the exact date.
- **PETER NWE 2 @ Thales in Hengelo** (The Netherlands) + 1st PETER Problem Solving Session: 5-day NWE
M25 of the PETER Project > April 2021
Doodle will be sent out to set the exact dates.
- **PETER NWE 3 @ Horiba-MIRA in Nuneaton** (UK) + 2nd PETER Problem Solving Session: 5-day NWE
M34 of the PETER Project > January 2022
Doodle will be sent out to set the exact dates.

Special thanks to the people from ESEO for organizing this Network Wide Event through Microsoft Teams Online Meetings and the German partners for organizing the Soft-Skill and S/T Trainings tomorrow.

THANK YOU ALL FOR ATTENDING THIS IMPORTANT NWE AND MID-TERM REVIEW MEETING AND ALREADY LOOKING FORWARD TO SEEING YOU ALL **PHYSICALLY** IN HENGELO AT OUR SECOND NWE

Annex 12

PETER NWE 1 Survey form

MSCA ETN PETER NWE 1 @ Microsoft Teams by ESEO – Survey Form

Please fill out the survey form for the first two days of the MSCA ETN PETER NWE 1 Online Meetings through Microsoft Teams by ESEO, which took place on May 26 and May 27, 2020.

Regarding the scores: 1 = Poor, 5 = Excellent

Project Meeting

How satisfied were you with the provided progress report? *

- 1 2 3 4 5

How satisfied were you with the WP parallel sessions? *

- 1 2 3 4 5

How satisfied were you with the Supervisory Board Meeting?

- 1 2 3 4 5

How satisfied were you with the individual ESR presentations? *

- 1 2 3 4 5

Comments or Notes regarding the Project Meeting

Online Meetings

How satisfied were you using Microsoft Teams as online meeting platform? *

- 1 2 3 4 5

MSCA ETN PETER NWE 1 Training Sessions – Survey Form

Please fill out the survey form for the last two days of the MSCA ETN PETER NWE 1 Online Training Sessions through Microsoft Teams by ESEO, which took place on May 28 and May 29, 2020.

Regarding the scores: 1 = Poor, 5 = Excellent ; leave blank if you did not participate in a training.

Trainings

How satisfied were you with the soft-skill training "Structured Working" given by Prof. Garbe?

1 2 3 4 5

How satisfied were you with the soft-skill training "Giving a high-impact presentation" given by T. Pusch?

1 2 3 4 5

How satisfied were you with the scientific/technical training "Short Pulse Technologies with Illustrative Application" given by Dr. Giri?

1 2 3 4 5

How satisfied were you with the scientific/technical training "Introduction to Risk Analysis" given by M. Schaarschmidt?

1 2 3 4 5

Comments or notes on the provided trainings

ESR Social Event

How satisfied were you with the online ESR activity "Kahoot Quiz" ?

1 2 3 4 5

Comments or notes on the online social event for ESRs