



REAL-time monitoring and mitigation of nonlinear effects in optical NETWORKS (REAL-NET)

Deliverable D5.10 Final REAL-NET workshop

Project details

Project Number	813144	Project Acronym	REAL-NET
Project Title	REAL-time monitoring and mitigation of nonlinear effects in optical NETWORKS		
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Project duration	48		
Call (part) identifier	H2020-MSCA-ITN-2018		
Topic	MSCA-ITN-2018 Innovative Training Network		

Document details

Title	Final REAL-NET workshop		
Deliverable number	D23	Deliverable Rel. number	D5.10
Work Package	WP5		
Deliverable type	Public		
Description	Final REAL-NET workshop (details on courses provided and ESR attendance record)		
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Lead beneficiary	UPC		
Version number	V1.0		
Status	Final		

Dissemination level

Public (PU)	X
Confidential, only for members of the consortium (including Commission Services)	

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ACRONYMS

AST: Aston University

ESR(s): Early Stage Researcher(s)

GA: Grant Agreement

INF G: Infinera Germany

INF P: Infinera Portugal

REAL-NET: REAL-time monitoring and mitigation of nonlinear effects in optical NETWORKS

TPT: Telecom ParisTech

UPC: Universitat Polytechnica de Catalunya

WP: work packages

LIST OF FIGURES

Figure 1 Final REAL-NET workshop attendees

Figure 2 ESRs presentation (From the top left: ESR1, Mohammad Hosseini; ESR2, Pedro Freire; ESR3, Mohannad Abu-Romoh; ESR4, Jamal Darweesh; ESR5, Masab Iqbal; ESR6, Diogo Sequeira)

Figure 3 Social event dinner on the 22nd September 2022

1. EXECUTIVE SUMMARY

This document is a deliverable based on the final REAL-NET workshop held on 23rd September 2022 in person in Basel, Switzerland and online. This was the fourth and final workshop of REAL-NET. The focus of this one-day meeting was the ESRs' presentation to the consortium members about the work they have done during these years. During the meeting a lot of questions were raised and there was an active participation of all the consortium members and ESRs.

The workshop also included a management session with the entire Consortium. Its focus was a review of the current progress of the action and final planning to conclude the project. The meeting concluded with a Supervisory Board meeting.

In total there were 19 participants:

WP leaders and supervisors:

- Sergei K. Turitsyn (coordinator of REAL-NET, AST)
- Yaroslav Prylepskiy (AST)
- Mansoor I. Yousefy (TPT), remotely
- Yves Jaouen (TPT)
- Luis Velasco (UPC)
- Marc Ruiz (UPC)
- Antonio Napoli (INF G)
- Joao Pedro (INF P)

ESRs:

- ESR1 Mohammad Hosseini (AST)
- ESR2 Pedro Souza (AST)
- ESR3 Mohannad Abu-Romoh (TPT)
- ESR4 Jamal Darweesh (TPT)
- ESR5 Masab Iqbal (UPC)
- ESR6 Diogo Sequeira (UPC)

Project manager:

- Martina Pasini (AST)
- Natalia Manuilovich (AST), remotely
- Christiane Doering-Saad (AST), remotely

Participation of 2 ESRs from MENTOR:

- Mariano Devigili (ESR5 MENTOR, UPC)
- Prasumika Khare (ESR6 MENTOR, UPC)

2. Final REAL-NET workshop

The final year REAL-NET workshop was held on 23rd September 2022 both in person and online via MS Teams. Originally scheduled for July 2022 in the Grant Agreement (GA), this event has been postponed as a legacy delay since the last workshop (3rd REAL-NET workshop) organised in February 2022. The meeting provided the ESRs an important opportunity to present the entire consortium all the results obtained during these years and conduct in-depth scientific discussions with REAL-NET members including fellow PhD students. It was also a good opportunity to finally meet in person after a long period of online meetings due to covid pandemic.

The workshop was divided into three sessions:

- Presentations by all REAL-NET ESRs on the progress and results within the project
- Presentation by the project manager regarding the WP5 and WP6
- Supervisory board meeting (confidential)

The consortium accepted the participation of two MENTOR ESRs, a sister project, during the first phase of the meeting. MENTOR students attended the ESR presentations to get the latest updates on machine learning. In addition, the two MENTOR students presented their own works, which are planned to be based on the studies carried out by former ESRs in REAL-NET.

All the REAL-NET ESRs gave a 30 min presentation follow by questions. In addition to the technical progress, all ESRs presented summaries of their continuing professional development, Conference and Journal publications, outreach, training, and science communication.



Figure 1 Final year REAL-NET workshop attendees

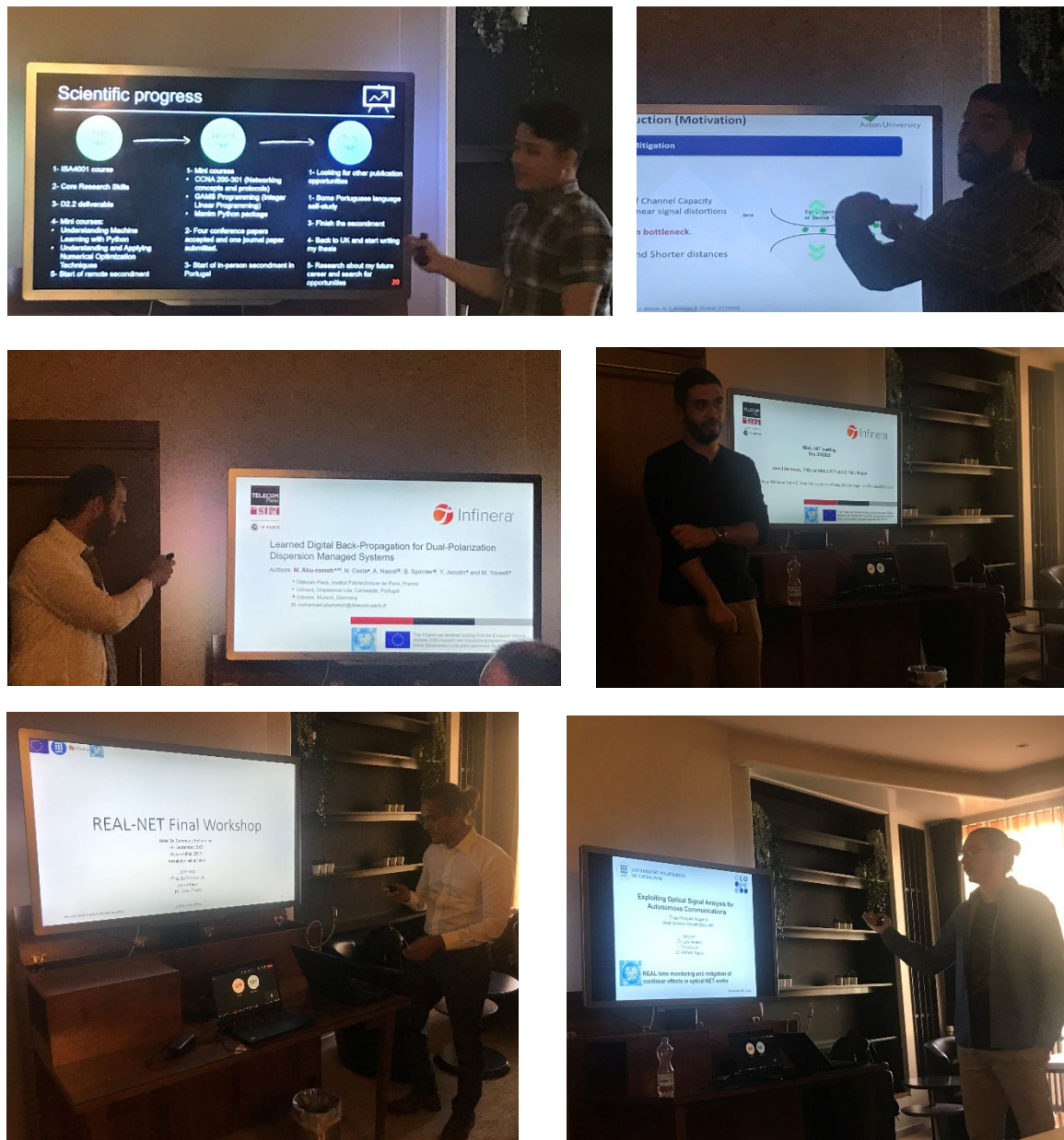


Figure 2 ESRs presentation (From the top left: ESR1, Mohammad Hosseini; ESR2, Pedro Freire; ESR3, Mohammad Abu-Romoh; ESR4, Jamal Darweesh; ESR5, Masab Iqbal; ESR6, Diogo Sequeira)

3. Agenda

The complete agenda of the workshop is available in the Annex 1. Briefly it includes:

- Welcome (from Sergei K. Turitsyn)
- ESRs presentation
- Project manager update about the general situation within REAL-NET
- Supervisory board meeting

4. Supervisory board meeting

After the workshop the REAL-NET supervisory board met together confidentially. No issues were raised.

5. Social event

REAL-NET and MENTOR members had a social dinner on Thursday 22nd September at Zum Braunen Mutz restaurant, in Basel. This was a good occasion to meet together and enjoying a dinner together.



Figure 3 Social event dinner on the 22nd September 2022

Annex 1



REAL-time monitoring and mitigation of nonlinear effects in optical **NETworks (REAL-NET)**

Grant Agreement ID: 813144

Final REAL-NET workshop

23rd September 2022

Basel, Switzerland (and online)

Hotel Du Commerce Riehenring 91, 4058 Basel, Switzerland



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23rd September 2022

CET, Paris, Berlin, Rome time

09:00 - 09:15 *Welcome (Sergei)*

09:15 - 11:00 *Student presentation (30 min each with 5 minutes questions):

- ESR1: Mohammad Hosseini
- ESR2: Pedro Freire
- ESR3: Mohannad Abu-Romoh

11:00 - 11:30 *Coffee Break*

11:30 – 13:15 Continuing student presentation (30 min each with 5 minutes questions):

- ESR4: Jamal Darweesh
- ESR5: Masab Iqbal
- ESR6: Diogo Sequeira

13:15 - 14:45 *Lunch*

14:45 – 15:15 Management: preparation for PR2/Final report (Martina)

- WP review: status of deliverable, milestones and secondments
- Output of the project: publications
- Outreach activities
- Financial update
- Timeline and input for upcoming Periodic Reports
- Any other business

15:15 – 15:30 *Closing*

15:30 - 15:45 **Supervisory board meeting** (confidential)

***ESRs, please include in your presentation, as per my email:**

- Scientific progress
- Summary of all publications (including in prep) since start of REAL-NET
- All other, less formal dissemination activities, seminars given/ events attended in last 12 months
- Training attended (also outside REAL-NET (if any) and online) in last 12 months
- Outreach activities in last 12 months
- IP issues, prizes, awards