



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

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### Deliverable D5.8 3<sup>rd</sup> year 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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Topic	MSCA-ITN-2018 Innovative Training Network		

**Document details**

Title	3 <sup>rd</sup> year REAL-NET workshop		
Deliverable number	D21	Deliverable Rel. number	D5.8
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**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** 3<sup>rd</sup> year REAL-NET workshop attendees

**Figure 2** ESR1 Mohammad Hosseini presentation

**Figure 3** ESR2 Pedro Freire presentation

**Figure 4** ESR6 Diogo Sequeira presentation

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## 1. EXECUTIVE SUMMARY

This document is a deliverable based on the third year REAL-NET workshop held on 24<sup>th</sup> January 2022 via online MS Teams due to the COVID-19 pandemic.

The annual workshop comprised almost one day meeting where all the work-package (WP) leaders informed the consortium about the review progress in the WP and where all the ESRs gave technical presentation about their work and can update the consortium on progress in their PhD. There were important presentations from the ESRs with a lot of questions and an active participation of all the consortium members and ESRs.

The 3rd year REAL-NET Workshop also included a management session with the entire Consortium. Its focus was a review of the current progress of the action, forward planning of the next 6-12 months and a decision-taking forum. The meeting concluded with a Supervisory Board meeting.

In total there were 16 participants:

WP leaders and supervisors:

- Sergei K. Turitsyn (coordinator of REAL-NET, AST)
- Yaroslav Prylepskiy (AST)
- Mansoor I. Yousefy (TPT)
- Yves Jaouen (TPT)
- Luis Velasco (UPC)
- Antonio Napoli (INFINERA G)
- Joao Pedro (INFINERA P)
- Nelson Costa (INFINERA P)
- Erwan Pincemin (Orange)

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)

## 2. 3<sup>rd</sup> year REAL-NET workshop

The 3<sup>rd</sup> year REAL-NET technical workshop was held on 24<sup>th</sup> January 2022 online via MS Teams due to the COVID-19 pandemic. Originally scheduled for June 2021 in the Grant Agreement (GA), this event has been postponed as a legacy delay since the last workshop (2<sup>nd</sup> REAL-NET workshop) organised in November 2020. The meeting provided an important opportunity to update the entire consortium regarding the progress of the project and for face-to-face interactions between all the ESRs and a good opportunity to share results and ideas and conduct in-depth scientific discussions with REAL-NET members including fellow PhD students.

The workshop was divided into three sessions:

- Presentations on the review progress in the WPs made by the WP leaders
- Presentations by all REAL-NET ESRs on the progress and results within the project
- Presentation of the project manager regarding the WP5 and WP6

All the WP leaders made a 5 min presentation regarding their progress with particular effort to all the publications to Journal and Conferences accepted, submitted and rejected.

All the REAL-NET ESRs gave a 15-20 min presentation follow by questions. In addition to the technical progress, all ESRs presented summaries of their continuing professional development, publications, outreach, training, and science communication, as well as plans for the next 6-8 months.

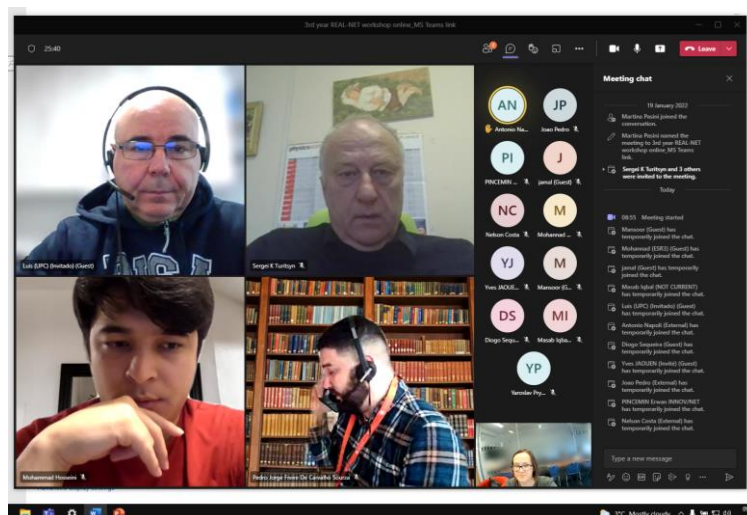


Figure 1 3<sup>rd</sup> year REAL-NET workshop attendees

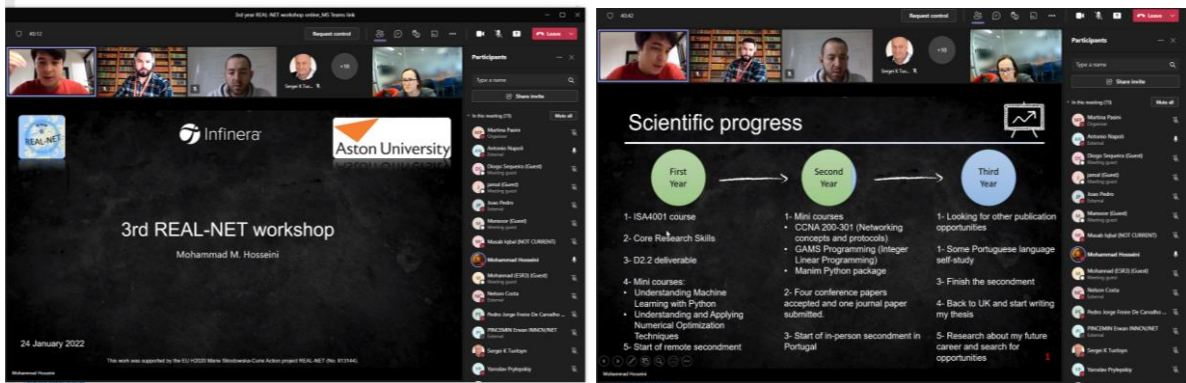


Figure 2 ESR1 Mohammad Hosseini presentation

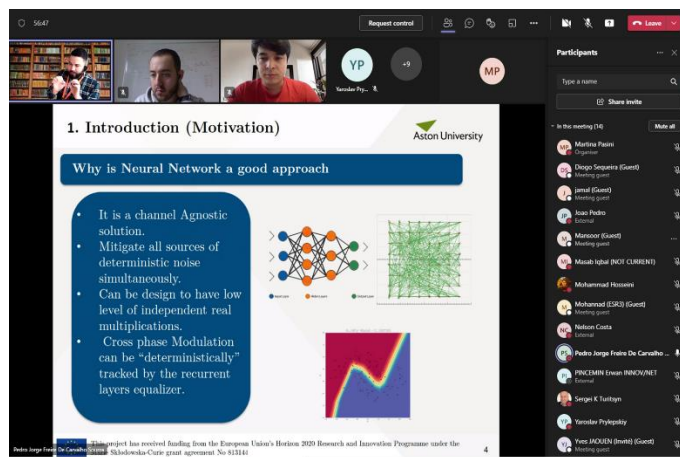


Figure 3 ESR2 Pedro Freire presentation

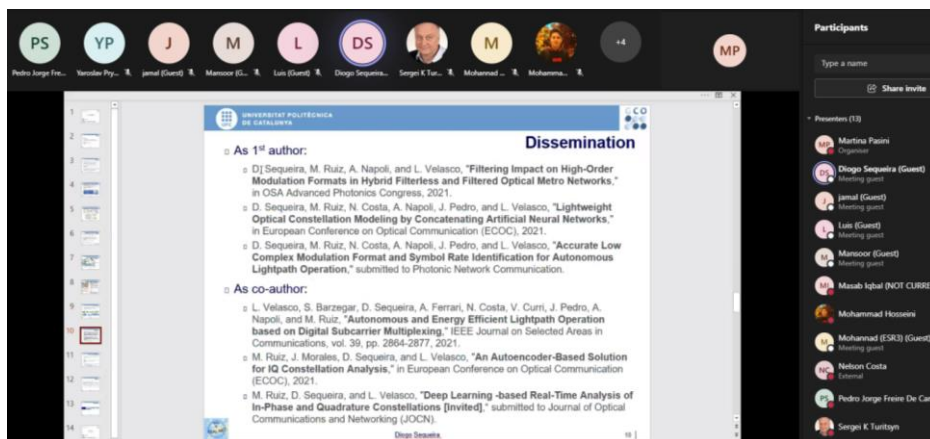


Figure 4 ESR6 Diogo Sequeira presentation

### **3. Agenda**

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

- Welcome
- WP leader's presentation
- ESRs talk on the progress
- 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 in order to converse other topics. In particular, the progress of the project and the ESRs and the project output achieved so far with particular attention to the publications, have been discussed.

Furthermore, the supervisory board discussed the possibly of extend the project.

### **5. Post event organization**

All the presentations from the WP leaders and ESRs are going to be available to the participants. Besides, the 3<sup>rd</sup> year REAL-NET workshop provided ample opportunity for further discussion. In fact, subsequent meetings were organized in order to discuss in details certain results and other possible collaborations and the next step to take.





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

**Grant Agreement ID: 813144**

## **3<sup>rd</sup> REAL-NET workshop**

**24<sup>th</sup> January 2022**

**MS Teams, online**



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**Annex 1****24<sup>th</sup> January 2022**

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*CET, Paris, Berlin, Rome time***10:30 - 10:35** *Opening***10:35 – 11:00 WP leaders' presentation<sup>1</sup>** (5 min each):

- WP1: TPT Mansoor
- WP2: Aston Yaroslav
- WP3: Infinera G Antonio
- WP4: UPC Luis

**11:00 - 13:15 ESRs presentation<sup>2</sup>:**

- **ESR1 Mohammad 15/20 min**
- **ESR2 Pedro 15/20 min**
- **ESR3 Mohannad 15/20 min**

*12:00 - 12:15 Break*

- **ESR4 Jamal 15/20 min**
- **ESR6 Diogo 15/20 min**
- **ESR5 Masab 15/20 min**

**13:15 - 13:30** Review of the actual situation and Forward Planning (Martina)

- Outstanding deliverables and milestones
- Secondments
- Output: publications, conferences...
- Training \_ upcoming (TSW3) and outstanding (MS)
- Financial update (Prefinance and Interim payment)
- Possible project extension
- Any other business
- Plan final REAL-NET workshop (in person?)

**13:30 – 13:35** *Closing*

**13:35 - 13:45** **Supervisory board meeting (confidential)**

**<sup>1</sup> WP leaders please include in your presentation:**

- Update the consortium about the progress in the work package
- Describe any delay

**<sup>2</sup> ESRs please include in your presentation:**

- Scientific progress
- Summary of all publications (including submitted)
- Other, less formal dissemination activities, seminars given/ events attended
- Training attended (in person or online)
- Outreach activities completed and planned.