

This issue represents the involved project activities from April to June 2018. In this period of time, the first ESRs of the project were recruited by the corresponding partners, three determined deliverables were done, the project was presented in MOCAST 2018 conference, and TU/e participated in an exhibition focused on 5G networks and fiber optic network management.

Table of Contents

Project's Presentation	1
Submitted Deliverables	1
Social Media	1
Recruitment Process	2
Symposium on Telecommunications	4

Project's Presentation

Thessaloniki, Greece, May 7-9, 2018.

The 5G STEP FWD project was present at the International Conference on Modern Circuits and Systems Technologies (MOCAST) on Electronics and Communications. A tutorial on converged optical-wireless networks, which is a result of the collaboration of our partners Iquadrat and CTTC, was presented by John Vardakas.



Submitted Deliverables

In the last three months, three different deliverables were prepared by three different in charge partners.

- Deliverable 1 (D4.1): “Training activities Y1”, led by Aristotle University of Thessaloniki.
- Deliverable 2 (D5.4): “Management and quality assessment Y1”, led by Iquadrat Informatica.
- Deliverable 3 (D6.2): “Dissemination, communication, public engagement and standardization Y1”, led by OTEAcademy.

Social Media

Every single project activity is published through created accounts on different social media platforms such as Twitter (https://twitter.com/5GSTEP_FWD) and LinkedIn(<https://www.linkedin.com/in/5gstep-fwd/>).

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Recruited ESRs

The first five ESRs were recruited for the maximum period of 36 months each. The involved partners in this phase of recruitment are TU/e, III-V Lab, CNRS, and AUTH. As their first phase of research, ESRs will review the state-of-the-art and acquire the knowledge on the required tools for their projects.

ESR	Name	Email	Contract start
TU/e-1	Dimitrios Konstantinou	d.konstantinou@tue.nl	15/01/2018
IVL-1	Kebede Tesema Atra	kebede.atra@3-5lab.fr	01/04/2018
CNRS-1	Fadil Habibi Danufane	fadil.danufane@l2s.centralesupelec.fr	01/06/2018
CNRS-2	Jiang Liu	jiang.liu@l2s.centralesupelec.fr	01/06/2018
AUTH-1	Eugenio Ruggeri	eugenior@csd.auth.gr	13/06/2018

1. **Mr. Dimitrios Konstantinou** is from Greece. He received his Diploma in electrical and computer engineering from the National Technical University of Athens (NTUA) in 2015. He obtained an MSc degree in Telecommunications with specialization in optical communications from the Technical University of Denmark in 2017. He completed his thesis entitled “Characterization and optimization of power profiles in optical transmission links”.

His enthusiasm in hybrid optical-wireless systems led him to join the group of Prof. Idelfonso Tafur Monroy at the Eindhoven University of Technology (TU/e) as a PhD student in October 2017. His PhD will be focused on analog-radio-over-fiber (ARoF) fronthaul for 5G systems.



2. **Mr. Kebede Tesema Atra** received his BSc degree in Electrical Engineering from Hawassa University (Ethiopia) in 2009. Then he worked in Ethio telecom for more than four years. He joined the Erasmus Mundus MAPNET program in 2014 and received double master degrees from Scuola Superiore Sant’Anna (Italy) and Aston University (UK). His MSc thesis focused on designing arrays of high-power germanium photodiodes to enhance the combined RF output power which was carried out at IHP microelectronics (Germany) in collaboration with Technische Universität Berlin. Finally, he was rehired at Ethio telecom after completing his MSc. Now he joined the Marie-Curie ITN 5G STEP-FWD program as a PhD student at III-V Lab.



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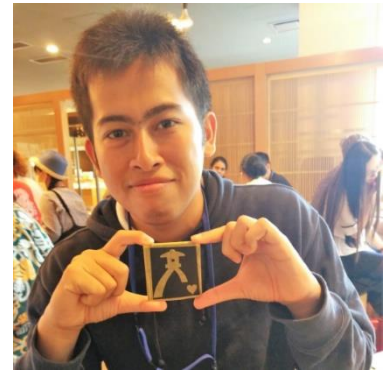
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3. **Mr. Fadil Habibi Danufane** received his BSc degree in Electrical Engineering from Bandung Institute of Technology (ITB), Indonesia in 2013 and his MSc in Computational Science from Kanazawa University, Japan in 2017. Since January 2014, he has been holding a position as a research assistant in Indonesian Institute of Sciences (LIPI), under the Research Center of Electronics and Telecommunication.



His research interest includes applications of mathematical tools such as stochastic geometry in wireless communication analysis and modelling. Since June 2018, he has been a part of Marie-Curie ITN 5G STEP-FWD program as a PhD student at Université Paris-Saclay in France, working on modeling and optimization of cellular networks with hyper dense small cell deployments.

4. **Mr. Jiang Liu** received his BSc degree in Communication Engineering in 2014 and MSc in Communication and Information systems in 2017 from University of Electronic Science and Technology of China (UESTC). His research interest was spatial modulation and the other multiple-input multiple-output techniques. In 2018, he joined the Marie-Curie ITN 5G STEP-FWD program as a PhD student in Université Paris-Saclay, France. Now he is working on modeling and optimization of innovative cellular networks architectures.



5. **Mr. Eugenio Ruggeri** received both his Bachelor Degree in Electronics and Telecommunications Engineering and his Master Degree in Telecommunications Engineering from Università di Bologna (Italy), respectively in 2014 and 2017.



His Bachelor thesis concerned the training of a computer vision classifier and its implementation in a c++ software for real time car recognition and his Master Degree thesis focused on the development of a synthesis technique of the driving sequences of linear time-modulated arrays through a Genetic Algorithm.

After his Master Degree, he worked at Vodafone for Alten Italy until joining the Marie-Curie ITN 5G STEP-FWD program as a PhD student at Phos Lab.

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Poster participation at Symposium on Telecommunications at TU/e

May 25th 2018

The Telecommunications symposium took place on May 25th from 08:45 until 16:00. Topics included optical telecommunications for space, 5G networks and fiber optic network management.



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