

Issue 1 | Date: 31 May 2019 | https://fonte.astonphotonics.uk/

THE FIRST 12 MONTHS

FONTE, the European Industrial Doctorate funded by the European Commission under GA 766115, is coordinated by Aston University (UK) with close participation of its academic partners TU Delft (Netherlands), DTU (Denmark) and Telecom Paris France), alongside its industrial partner Nokia Bell Labs (Germany). The network has now recruited it's full set of four Early Stage Researchers (ESRs) and most of the Work Packages have started.

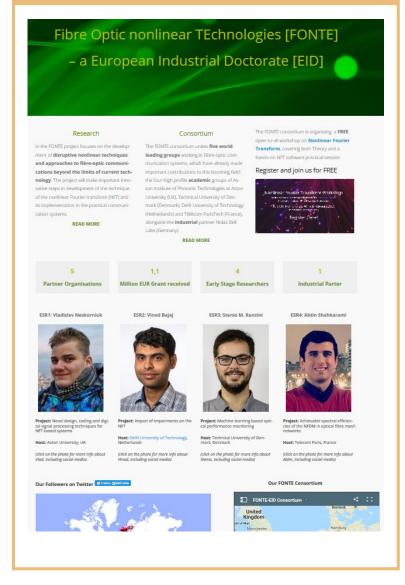
In this newsletter we introduce our PhD students Vladislav (Aston), Vinod (TU Delft), Stenio (DTU) and Abtin (TPT) in more details.

They have already benefited form the training activities co-organised by the FONTE network partners, such as the FONTE Induction (virtual), a Winter school at NBL and NLP2019 (Andalo; Italy), organised by FONTE's sister programme MOCCA. In June and July 2019 our ESRs will have the opportunity to attend ICTON2019 in Angers/France, co-organised by FONTE partner TPT, as well as the FONTE First Annual Workshop on Presentation Skills at NBL/Stuttgart.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 766115

WEBSITE: https://fonte.astonphotonics.uk/



ESR1: V. Neskorniuk; Aston



EDUCATION

Vladislav Neskorniuk received both his B.Sc. degree (2015) and M.SC with honors (2017) from Moscow Institute of Physics and Technology, the leading physics educational institution in Russia and the former Soviet Union. The topic of his master thesis was the nonlinear phenomena in fiber-optic communication systems, in particular, stable molecules of solitons. Having graduated, Vladislav gained research experience both in academia and in industry. Vladislav spent a year finalizing his master research in Skolkovo Institute of

Science and Technology, a brand-new university, established in Russia in collaboration with the Massachusetts
Institute of Technology. Later, Vladislav worked at Huawei, where he developed and numerically tested methods of nonlinear interference compensation in fiber-optic communication systems. Before joining AiPT, Vladislav authored several conference papers and an "Optics Letters" journal paper. His work at Huawei was awarded company's "Technolgy and Breakthrough Award".

Besides his research activities, Vladislav was an active member of the university debating community of Russia. He participated in the organization of several debating tournaments in Russia and raised substantial funds for one of them.

Vladislav will start by Aston University in August 2019.

Find out more

Email: v.neskorniuk@aston.ac.uk

LinkedIn

Orchid

Twitter: @Vneskorniuk

Blogspot:

https://fonte.astonphotonics.uk/esr-1/

ESR2: Vinod Bajaj; TU Delft



EDUCATION

Vinod Bajaj holds a Bachelor of
Technology degree in Electronics and
Communication Engineering from
Government Engineering College Ajmer,
India and Master of Technology degree in
Electrical Engineering from Indian Institute
of Technology Madras, India. His Master of
Technology thesis work was on
development of digital signal processing
algorithms to mitigate impairments in
coherent optical communication.

His work was mainly focused on algorithms to mitigate polarization impairments and fiber nonlinearity induced phase modulation for high capacity coherent optical communication systems.

Apart from his academic career, he has two years of industrial experience in R&D department of Sterlite Technologies
Limited, India, one of the leading optical fiber and telecom products manufacturer.
At Sterlite Tech., he worked on characterization of different optical fibers over 100G DWDM long-haul test-bed.
Currently, he is a PhD student at the Technical University of Delft (DTU) in the Fiber Optic Nonlinear Technologies
(FONTE) project.

Vinod is employed by TU Delft since December 2018

Find out more

Email: V.Bajaj-1@tudelft.nl

<u>LinkedIn</u>

Orchid

Google Scholar

Blogspot:

https://fonte.astonphotonics.uk/esr-2/

ESR3: Stenio Ranzini; DTU



He also helped to found the Brazilian photonic society (SBFoton) in 2017, where he was the administrative director.

Stenio is pursuing a Ph.D. in optical communications at the Technical University of Denmark in the Machine Learning in Photonic Systems group. Currently, he is in the fiscal council of the organization and a Marie-Curie Fellow.

Stenio is employed by DTU since September 2018.

EDUCATION

Stenio Magalhaes Ranzini received

his bachelor's degree at the University of Sao Paulo, Brazil, and his master's degree at the State University of Campinas, Brazil. From 2011 to 2018, he was a researcher at CPqD Foundation, Campinas, Brazil. At CPqD, he developed and implemented state-of-art digital signal processing algorithms to be employed in a commercial physical layer ASIC for high speed (400G) optical communication transceivers.

Find out more

Email: smara@fotonik.dtu.dk

LinkedIn

Orchid

Blogspot:

https://fonte.astonphotonics.uk/esr-3/

ESR4: Abtin Shahkarami;



Abtin's Master's thesis was in the area of configuring topology of classifiers in real-time large-scale stream mining systems, an area where he hold a publication in the prestigeous Springer Nature Journal.

Prior to joining Telecom Paristech,.Abtin worked as a research assistant at the Goethe University (Frankfurt, Germany). In his free time Abtin is a passionate fan of learning, innovating, and swimming.

Abtin is employed by Telecom Paris Tech since May 2019.

EDUCATION

Abtin Shahkarami received both his Bachelor and Master degrees from the University of Tehran in Computer Science and Multimedia Systems, respectively. In 2017 he was awarded "Top inventor of the University of Tehran" for creating a speech recognition device for the Persian language called "Ravannevis". In addition he got the first-rank student in the Master's level.

Find out more

Email: <u>abtin.shahkarami@telecom-paris.fr</u>

LinkedIn

Orchid

Blogspot:

https://fonte.astonphotonics.uk/esr-4/