



NETLAS NEWSLETTER 8

This newsletter marks the recruitment of two more ESRs recruited to our ITN.

Recruited on 1st December 2020

PhD4: Esteban Andres Proano Grijalva

Host: Technical University of Denmark (DTU)

Secondments: OCTLight, University of Kent, Applied Optics Group (AOG)/with guidance from UCL Institute of Ophthalmology and Moorfields Eye Hospital



PhD project: Electrically pumped MEMS VCSEL

The optical coherence market has experienced a large growth in the last years. One branch of this technology is swept source OCT where a laser with rapid wavelength tuning is required. Vertical cavity surface emission lasers (VCSEL) modulated using MEMS are good light sources due to a long modulation range and fast tuning. My project focuses on the further improvement of the 1060-nm MEMS VCSEL devices that would allow the development of low cost ophthalmic OCT applications.



Previous education

I graduated from the Universidad San Francisco de Quito, as an Electrical Engineer in 2017. Then, during 2018-2020 I studied in the Erasmus Mundus Master programme: Photonic Integrated Circuits, Sensors and NETWORKS (PIXNET) that consisted of 1 year in the Scuola Superiore Sant'Anna, 1 semester in Aston University and 1 semester in Osaka University.

Recruited on 14 December 2020

PhD15: Gopika Venugopal

Host: University of Kent, Applied Optics Group (AOG)

Secondments: Innolume and Research Center for Materials Characterization and Non-Destructive Testing RECENDT GmbH



PhD Project: Multiple bands swept source using a fast scanner and multiple emitters

Education:

Master's in Technology with specialization in Optoelectronics and Laser Technology from International School of Photonics, Cochin University of Science and Technology, Cochin, Kerala, India (2018-2020).



Master thesis work at University of Gothenburg, Sweden, as a part of Erasmus Plus Exchange Programme (September 2019- June 2020).

Bachelor's in Technology with specialization in Electronics and Communication Engineering from Toc H Institute of Science and Technology under Cochin University of Science and Technology, Cochin, India (2013-2017).

From now on we invite all partners to communicate events and ideas to place in our newsletter

Please send any piece of news, on NETLAS activities or anything else happening that may be of interest to the NETLAS community, to Ramona Cernat: R.Cernat@kent.ac.uk and to Adrian Podoleanu: ap11@kent.ac.uk