



OSKARS OZOLINS

From Sweden to France



Project: **High Speed Optical Communication**

Research topic: **Physics**

Swedish Institution: **RISE Acreo AB**

French Institution: **FOTON Institute (CNRS/Rennes University/INSA)**

Dates of mobility: **11/06/2018 to 25/06/2018**

Program: **SFVE-A (ex FRÖ)**



PRESENTATION

[Oskars Ozolins](#) is a Senior Scientist and Technical Lead at the Kista High-speed Transmission Lab, Research Institutes of Sweden ([RISE](#)). He is also Senior Researcher at the [Department of Applied Physics](#) at [KTH](#). His research interests include digital and photonic-assisted signal processing techniques, high-speed short-reach communications and devices, optical and photonic-wireless interconnects, and single-photon quantum communication. He is moreover a member of the [Latvian Academy of Science](#) and he graduated 2013 with a PhD degree in Telecommunications at [Riga Technical University](#).

ACTIVITIES IN FRANCE

Oskars Ozolins visited [FOTON Institute \(PERSYST\)](#) in Lannion and met there with scientists, including [Laurent Bramerie](#), and conducted experiments such as a measurement on optical spectral reshaping for directly modulated laser and a test on silicon Mach-Zehnder modulator for O-band.

He had moreover the opportunity to meet with other engineers and PhD students, including Nicolas Pelloquin from Orange Business Services to discuss newest trends in optical access networks.

Oskars Ozolins participated in many seminars and gave a seminar entitled “Single Lane 200Gbps Intensity Modulation Direct Detection Systems” and he briefly presented his laboratory in Kista.

Potential projects have been discussed, in particular common applications to different European programmes, such as Marie Curie International Training Network and Future Emerging Technologies.