

Subject: PhD Positions, Aston Institute of Photonic Technologies, UK

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Date: Fri, 4 Jan 2019 13:39:06 +0000

Applications are invited for a three year prestigious Postgraduate studentship (GBP32,750 per annum) as Marie S. Curie Early Stage Researcher, supported by the MSCA ITN European Industrial Doctorates project FONTE <<https://fonte.astonphotonics.uk/>>, to be undertaken within the Aston Institute of Photonic Technologies (AIPT) <<http://www.aston.ac.uk/eas/research/groups/photonics/>> at Aston University.

The successful applicant will join an established experimental group working on the applications of the inverse scattering transform (nonlinear Fourier transform) and machine learning

signal processing  
methods for the fibre nonlinearity mitigation and the  
development of  
the new generation of extra-high-capacity optical  
networks and related  
concepts.

Secondments: The studentship is offered in  
collaboration with  
world-leading industrial unit: Nokia Bell Labs (NBL),  
Stuttgart,  
Germany (no less than 18 months at NBL). The project  
research time and  
trainings will be equally split between AIPT and NBL.  
Close  
collaboration and visits to other three FONTE partners,  
Technical  
University of Denmark, Telecom ParisTech (France),  
and Technical  
University of Delft (the Netherlands), will be carried out  
along the  
project.

More information can be found here:

<https://jobs.aston.ac.uk/Vacancy.aspx?>

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Inform requests can be send to [s.k.turitsyn@aston.ac.uk](mailto:s.k.turitsyn@aston.ac.uk)