

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

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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