

Dr Auro Michele Perego

RAEng Research Fellow, Aston Institute of Photonic Technologies (AIPT) at Aston University
Birmingham, , GB

Dr Perego is a researcher in nonlinear optics, laser physics, and photonic technologies.

Biography

Dr Perego's main research interests are at the interface of applied physics and photonic engineering. These include the investigation of novel techniques for optical frequency combs generation in optical resonators and the physics of mode-locking in semiconductor and fibre lasers. Other research interests include parametric amplification in nonlinear waveguides, optical sensing and the study of instabilities and solitons in photonic systems. He is currently a Royal Academy of Engineering Research Fellow with a project on optical frequency combs at the Aston Institute of Photonic Technologies - AIPT (<https://www.aston.ac.uk/research/eps/aipt>) where he is building his independent research group. Dr Perego received a BSc and a MSc in Physics from Università dell'Insubria (Como, Italy) and a PhD degree in Electrical Engineering from Aston University in 2018.

Areas of Expertise

Optical Sensing, Nonlinear optics, Optical Communications?, Photonics, Laser Physics

Education

Aston Institute of Photonics Technology (AIPT)
PhD

Università degli Studi dell'Insubria
MS Physics

Università degli Studi dell'Insubria
BS Physics

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