

Light-matter Interactions towards the Nanoscale

a NATO Advanced Study Institute on Nanophotonics

Erice, Sicily, Italy

July 20 - August 4, 2019



Nano-Structures and Nano-Optics

Lukas Novotny, ETH, Zurich, SWITZERLAND

Nano-Plasmonic Whispering Gallery Mode Hybrid Sensors

Stephen Arnold, New York University, New York, NY, USA

Terahertz Light-Matter Interactions at the Nanoscale

John Bowen, University of Reading, Reading, UK

3D Laser Nano-Printing

Martin Wegener, Karlsruhe Institute of Technology,
Karlsruhe, GERMANY

Symmetry in Light-Matter Interactions

Ivan Fernando-Corbaton, Karlsruhe Institute of Technology,
Karlsruhe, GERMANY

Time Reversal Symmetry, Nonreciprocity and Topology in Photonics

Mário Silveirinha, Technical University of Lisbon, Lisbon,
PORTUGAL

Plasmonic Effects on Photonic Processes and Devices

Sergey Gaponenko, National Academy of Sciences, Minsk,
BELARUS

Near-zero Index Metamaterials

Clayton DeVault and Eric Mazur, Harvard University,
Cambridge, MA, USA

Integrated Quantum-Optical Chips

Wolfram Pernice, University of Münster, Münster,
GERMANY

Workshop in Computational Nanophotonics

Lora Ramunno, University of Ottawa, Ottawa, CANADA

Metamaterials

Ekaterina Shamonina, Oxford University, Oxford, UK

Ultrafast and Strong-Field Optics

Mark I. Stockman, Georgia State University, Atlanta, GA,
USA

Surface-Plasmon Mediated Decay Processes of Ions

John Collins, Wheaton College, Norton, MA, USA

Fluorescence Nanoscopy from Ensemble to Single Molecule

Ilaria Testa, KTH, Stockholm, SWEDEN

Interested participants should contact the Co-Director of the Course:
Professor John Collins,
Department of Physics and Astronomy, Wheaton College, Norton, MA 02766, USA
Email: jcollins@wheatoncollege.edu

The applicants should provide the following information:
i) Date and place of birth, together with their present nationality,
ii) Degree and other academic qualifications,
iii) Present position, place of work, and current research activities,
iv) A letter of recommendation from their research group leader or from a senior scientist active in the field
v) A list of graduate courses attended (if the applicant is a graduate student)

The total fee, covering full board and lodging, arranged by the School, is 1,600 Euros.
The sponsorship received will allow the support of some deserving students in need of financial assistance;
this need must be specified and justified in the application.



<https://sites.google.com/view/nanophotonics2019>
Application deadline: June 24, 2019.

John Collins and Sergey Gaponenko
Directors of the Course

Baldassare Di Bartolo
Director of the School

Antonino Zichichi
EMFCSC President and Director of the Institute



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