

Conference name:

The 4th International Conference on Photonics, Optics and Laser Technology – PHOTOPTICS 2016

Venue:

Rome, Italy

Event date:

27 - 29 February, 2016

Regular Papers

Paper Submission: **September 8, 2015**

Authors Notification: **November 26, 2015**

Camera Ready and Registration: **December 14, 2015**

Position Papers

Paper Submission: **October 29, 2015**

Authors Notification: **December 4, 2015**

Camera Ready and Registration: **December 18, 2015**

Workshops

Workshop Proposal: **September 9, 2015**

Doctoral Consortium

Paper Submission: **December 3, 2015**

Authors Notification: **December 11, 2015**

Camera Ready and Registration: **December 22, 2015**

Special Sessions

Special Session Proposal: **September 21, 2015**

Paper Submission: **November 23, 2015**

Authors Notification: **December 9, 2015**

Camera Ready and Registration: **December 17, 2015**

Tutorials, Demos and Panel Proposals

October 14, 2015

Scope:

Optical systems are ubiquitous in modern society, from medical sciences to space exploration, telecommunications, information processing and numerous industrial and military applications of all kinds. This 4th edition of PHOTOPTICS will feature 3 different tracks on Optics, Photonics and Lasers, covering both theoretical and practical aspects. Researchers, engineers and practitioners interested in any of these fields are welcome to join us in Berlin and present their work on new methods or technologies, advanced prototypes, systems, tools and techniques, as well as general survey papers indicating future directions.

Conference Areas:

Each of these topic areas is expanded below but the sub-topics list is not exhaustive. Papers may address one or more of the listed sub-topics, although authors should not feel limited by them. Unlisted but related sub-topics are also acceptable, provided they fit in one of the following main topic areas:

1. OPTICS
2. PHOTONICS
3. LASERS

AREA 1: OPTICS

- Adaptative Optics
- Optometry
- Fiber Optics Technology
- Biomedical Optics
- Computational Optical Sensing and Imaging
- Optical Instrumentation
- Optics in Astronomy and Astrophysics
- Spectroscopy, Imaging and Metrology

- Optical Communications and Networking
- Vision and Color
- Photorefractive Effects, Materials and Devices
- Optical Materials and Devices
- Light-matter Interaction
- Opto-Mechatronics
- Applied Industrial Optics

AREA 2: PHOTONICS

- Display Technology and Holography
- Organic and Bio-photonics
- Optogenetics
- MOEMS-MEMS and Nanophotonics
- Microwave Photonics
- Photonics for Energy
- Power Photonics
- Photonic and Optoelectronic Materials and Devices
- Communications and Switching Photonics
- Ultrafast Electronics, Photonics and Optoelectronics
- Green Photonics
- Photodetectors, Sensors and Imaging
- Fiber Optics devices
- Nonlinear Optics
- Plasmonic Structures and Quantum dots
- Metamaterials

AREA 3: LASERS

- High Intensity Lasers and High Field Phenomena
- Quantum Electronics and Laser Science
- Quantum Information and Measurement
- Biomedical and Therapeutic Laser Applications
- Laser Microscopy
- Laser Spectroscopy
- Fiber Lasers and Applications
- Waveguide Lasers
- Semiconductor Lasers and LEDs
- Weapons and Military Technology
- Plasma Technologies

KEYNOTE LECTURE

Giancarlo C. Righini, Museo storico della fisica e centro studi e ricerche Enrico Fermi & Istituto di Fisica Applicata "Nello Carrara", Italy

Andrea Cusano, University of Sannio, Italy

Manuel Filipe Costa, Universidade do Minho, Portugal

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<http://phoptics.org/ProgramCommittee.aspx>

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