

CALL FOR PAPERS

7th EOS Topical Meeting on Optical Microsystems (O μ S'17) 3rd EOS Topical Meeting on Optics at the Nanoscale (ONS'17)

Location: Anacapri, Island of Capri, Italy

Duration: 10 September 2017 - 14 September 2017

Submission Timeframe: 10 April 2017 - 20 June 2017

7th EOS Topical Meeting on Optical Microsystems (O μ S'17)

Synopsis

O μ S'17 is the 7th edition of the international conference wholly dedicated to optical microsystems organized by the European Optical Society (EOS) and the Italian Society of Optics and Photonics (SIOF), Italian Branch of the EOS.

Optical microsystems are now able to perform complex sensing and actuation functions, taking advantage of the progress in micro- and nano-technologies to integrate in a smart way optical devices with electronic, mechanical and sensing components. The increasing interest in this field arises from the perspective applications that would significantly improve the quality of life. The list of possibilities offered by these enabling technologies is long and seems to increase day by day. Optical microsystems are finding applications not only in ICT, but also in biotechnologies, medicine, food and environmental monitoring, aerospace and automotive, homeland security, etc. The conference programme will focus on fundamental as well as more applied topics. Biosensors, biochips and lab-on-chip, microfluidic and optofluidic systems, non-linear and quantum optical devices, silicon-based optoelectronics and MOEMS, chemical and physical optical microsensors, new characterization methods for materials and devices, novel imaging techniques, biomimetic devices and systems are among the hot topics of the conference.

Topics

- Optical microsensors & microsystems
- Biophotonics, biosensors & biochips
- Microfluidics & optofluidics
- Bio-inspired optical technologies, optical biomimetic devices & systems
- Optical microscopy, imaging & characterization methods
- Optical materials for hybrid & monolithic integration
- Microoptics & optical devices based on novel concepts
- Non-linear optical devices and technologies
- Photonic quantum devices and systems
- Organic optical devices, sources & lasers
- Silicon photonics
- Terahertz devices & systems
- Applications of optical devices & systems
- Aerospace photonics

General Chairs

Ivo Rendina, Consiglio Nazionale delle Ricerche (IT)
Eugenio Fazio, Sapienza Università di Roma (IT)
Pietro Ferraro, Consiglio Nazionale delle Ricerche (IT)

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Tetsuzo Yoshimura, Tokio University of Technology (JP)
NiKolay I. Zheludev, University of Southampton (UK)

Special Session on Optical Biosensing and Biochips

A special parallel session focused on the last achievements in the field of optical biosensing devices and biochips for applications in healthcare (point-of-care; microarrays) and environmental (disposable/online sensors) monitoring will be chaired by Dr. Luca De Stefano at SIOF-EOS Optical Microsystem Meeting, in collaboration with the SIOF Working Group on Optical Biosensors and Biophotonics (<http://www.siof-ottica.it/it/biosensori-ottici-e-fotonica>).

3rd EOS Topical Meeting on Optics at the Nanoscale (ONS'17)

Synopsis

New properties in nanoscale structures can be dramatically tuned with size and shape of the nanostructures. Completely different optical behaviors are produced compared to the bulk counterparts, such as narrow line widths for emission, solar energy conversion, etc.

Indeed materials and applications require strong effort to develop spectroscopy and microscopy tools allowing visualization and manipulation of optical properties with nanoscale resolution.

Optics at Nanoscale is a Topical Meeting that covers a spectrum from applied to basic research of this domain providing a forum for all the aspects with the purpose of advancing the state-of-the-art of nanoscale optics.

Topics

Imaging: functional imaging, methods, enhanced resolution

Materials: metamaterials, photonics crystals, plasmonics, nano-engineered materials, graphene, nonlinearities

Concepts & functions: optical magnetism, optical mimetism

Quantum optics at the nanoscale: sources, detectors

Special Session

COST action MP1403 Nanoscale Quantum Optics Work Group 2 Meeting

The COST action MP1403 on Nanoscale Quantum Optics serves as European platform to enhance networking and research collaboration in the rapidly evolving field of quantum nanooptics that has substantial overlap with the topics covered in the UNO workshop series. The second half of the 3rd EOS Topical Meeting on Optics at the Nanoscale (ONS'17) will host the work group meeting on Nonlinearities and Ultrafast Processes in Nanostructured Media (WG2).

Topics of WG2 meeting

Coherent Control on the nanoscale

Nanoscale nonlinear response

Energy harvesting and energy transfer

Coherent spectroscopy

Active nanophotonics

Nanoscale transport

General Chairs

Didier Felbacq, University of Montpellier (FR)

Vito Mocella, Consiglio Nazionale delle Ricerche (IT)

Concita Sibilia, Sapienza Università di Roma (IT)

Technical Committee

Mario Agio, CNR-INO (IT)

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Philippe Lalanne, Institut d'Optique (FR)

Kauranen Martti, Tampere University of Technology (FI)

Walter Pfeiffer, Bielefeld University (G)

Gennady Shvets, Univ. of Texas, Austin (US)

Niek van Hulst, ICFO (ES)

Anatoly Zayats, King's College (GB)

Dates and Deadlines

Opening of submission	15 April 2017
Abstract submission deadline (extended)	20 June 2017
Notification to authors	10 July 2017
Publication of programme	15 July 2017
Opening of post-deadline submissions	24 August 2017
Closing date of post-deadline submission	31 August 2017
Early-bird registration deadline	03 September 2017

How to submit?

All abstracts must be submitted via easychair. Prepare a short abstract (“abstract” in the follow - up to 500 characters) and a long abstract (“paper” in the follow - two-page pdf files that are formatted along the guidelines given in this file).

Users with existing easychair account

To submit please click one of the links below and you will be redirected to the easychair submission system. After the login, click on “new submission” button.

Follow the instructions, step by step, and then use the “Submit” button at the bottom of the form. The required information are:

Author Information: (First name, Last name, Email, Country and Organization)

Requested for each author. There must be at least one corresponding author.

Title and Abstract: The title and the abstract should be entered as plain text, they should not contain HTML elements. Abstract up to 500 characters

Keywords: one per line, at least three keywords.

Topics: select a topic

Type of presentation: select a preference of type of presentation (oral or poster)

Paper: long abstracts must be submitted as two-page pdf files that are formatted along the guidelines given in this file.

Click on “submit” and you will receive a confirmation e-mail.

Users without existing easychair account

Click one of the links listed below and create a new easychair account. After confirmation follow what written before.

To submit please click one of the links below to be redirected to the submission system.

7th EOS Topical Meeting on Optical Microsystems (O μ S'17):

<https://easychair.org/conferences/?conf=oms17>

3rd EOS Topical Meeting on Optics at Nanoscale (ONS'17):

<https://easychair.org/conferences/?conf=ons17>

Publications in JEOS:RP

Authors can optionally submit a full manuscript of the accepted paper to the Journal of the European Optical Society Rapid Publications (JEOS:RP <https://jeos.springeropen.com/>). The paper must be an original high-quality contribution connected to the Capri meetings.

Deadline: 30 September 2017. In case of acceptance EOS members receive a special discount on the publication rate.

Registration

The registration includes admission to all Meetings, a copy of the Topical Meeting digest, coffee-breaks and lunches. The participation to the conference social dinner is optional (additional **costs: 60 Euro**).

Registration fees

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	Early-bird	Late (after Sept. 3,2017)
Members of SIOF and EOS	350 €	400 €
Members of IEEE Photonics, AEIT, SIF, OSA, AIDAA and CORIFI	400 €	450 €
Non-members *	450 €	530 €
Student members of SIOF and EOS, IEEE Photonics, AEIT, SIF, OSA, AIDAA and CORIFI	200 €	250 €
Student members of IEEE Photonics, AEIT, SIF, OSA, AIDAA and CORIFI	250 €	300 €
Student non-members *	300 €	360 €
COST Meeting participants (students)	225 (150) €	265 (180) €
One-day	150 €	170 €

* incl. a one-year membership in SIOF and EOS

Accommodation

Accommodation information can be found here: <http://www.capritourism.com/en/accommodation>

Venue

Capri is a beautiful and picturesque island in the Gulf of Naples, in the South of Italy. Its mild climate, the numerous monuments and island highlights, and last but not least the excellent Italian cuisine and wine culture make Capri a perfect location for relaxing and enjoying the Mediterranean atmosphere. The Island of Capri has two towns: Capri and Anacapri. If the Piazzetta of Capri is the unrivalled focus of the island's glamorous social life, filled with elegant sidewalk cafes, the pretty historic centre of Anacapri located on the slopes of Mount Solaro is the exact opposite, with its peaceful piazzas and bougainvillea and geranium festooned lanes. It is a concentration of Mediterranean colours, scents, and sounds. Town life here has remained authentic despite the island's tourism: tucked between the houses there are tiny, humble vegetable gardens surrounded by lush tropical plants. A walk around the centre of Anacapri will take you past tiny Neapolitan tailor shops, artisan shoemakers, ladies sitting in the shade outside working on their knitting while exchanging gossip and news...all with the scent of the town's lemon groves that permeates the air. The EOS Topical Meetings in Capri will be held at the Conference Centre of the Consiglio Nazionale delle Ricerche, the former Royal Swedish Academy Solar Observatory, Via Ceselle, Anacapri (Na), Italy.

Transport

The nearest International Airport to Capri is Naples International Airport (<http://www.aeroportodinapoli.it>).
From Naples International Airport to train station/port

- From the airport the best and cheapest way to get to the train station/port is the AliBus, a bus departing every 20 minutes that takes passengers to either the train station and to the port in a less than 30 minutes.

- From the port to Capri

The island of Capri can be reached by regular ferry or hydrofoil connections from Naples and other locations like Sorrento, Amalfi and Salerno. Ferries depart from Molo Beverello in Naples, a few steps away from the bus stop.

A regular bus running every fifteen minutes takes from Capri to Anacapri. Tickets can be purchased directly from the bus driver.

See also <http://www.capritourism.com/>.

Local Organizing Committee

Alessio Crescitelli, Principia Dardano, Antonella Ferrara, Silvia Romano (IMM-CNR)
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