



Important Dates

Paper submission deadline: 27 April 2015
 Notification of acceptance: 15 June 2015
 Advance registration deadline: 19 July 2015
 Postdeadline paper submission: 14 September 2015



Submission of papers

The Technical Programme Committee encourages submission of original, unpublished, clear, accurate, and relevant papers in any of the topic areas listed below. Authors should submit their papers via the online submission system by Monday, 27 April 2015. Templates will be available online. Authors must agree to the copyright conditions available as part of the online submission process.

All papers will be peer reviewed by the Technical Programme Committee, which reserves the right to accept or reject any paper. Authors may express their preference for either oral or poster presentation, but the final decision will be made by the Technical Programme Committee. Student authors presenting a paper at ECOC 2015 can compete for the **Best Student Paper Award**, which will be attributed during the conference. They should apply upon submitting their work.

The accepted papers will be published as part of the Technical Digest, complete with ISBN reference number and available to all conference delegates. After the conference, the accepted papers will be referenced on widely-distributed scientific databases and can be downloaded from there.

Authors from the most highly ranked papers will be invited to publish an extended version of their work into a special issue of Journal of Lightwave Technology, after the conference.

Agenda

Sunday 27 September 2015

- Half-day workshops on hot topics in optical communication
- Get-together reception
- Young researchers meeting **NEW!**

Monday 28 > Thursday 01 October 2015

- Plenary speakers on Monday morning
- Parallel sessions with both invited and contributed papers
- Symposia describing the most recent and influential developments in specific fields
- Night Rump session **NEW!**
- Tutorials giving a basic introduction to key topics
- Welcome reception on Monday evening
- Gala dinner on Wednesday evening



ECOC 2015 Organisation

General Chairs

JOSÉ CAPMANY
 ITEAM. Universitat Politècnica de València, Spain.
 GABRIEL JUNYENT
 Universitat Politècnica de Catalunya, Spain.

Technical Programme Chairs

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ECOC 2015 Conference Management

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The ECOC 2015 Exhibition

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Venue

ECOC 2015 will be held in the Feria Valencia Convention and Exhibition Centre (CCE). The CCE is a 7.4 km drive (11 minutes approx.) from Manises Airport and is connected to Valencia downtown by underground lines 1 and 4 and by bus line 62.

Valencia is connected daily with Madrid via high-speed train line in less than 1 hr 40 mins each way, and with Barcelona through Alaris, Euromed and Talgo trains in less than four hours.

The new train station Joaquín Sorolla (long distance) is a 8.5 km drive (17 minutes approx.) from the exhibition center.

More

For further details, please visit the conference's website
www.ecoc2015.org

Please follow us in:



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ECOC 2015 group

www.ecoc2015.org

CALL FOR PAPERS
 Submission deadline, 27 April 2015
 Feria Valencia Convention and Exhibition Centre (CCE)

**VALENCIA (SPAIN),
 SEPT 27TH - OCT 1ST**



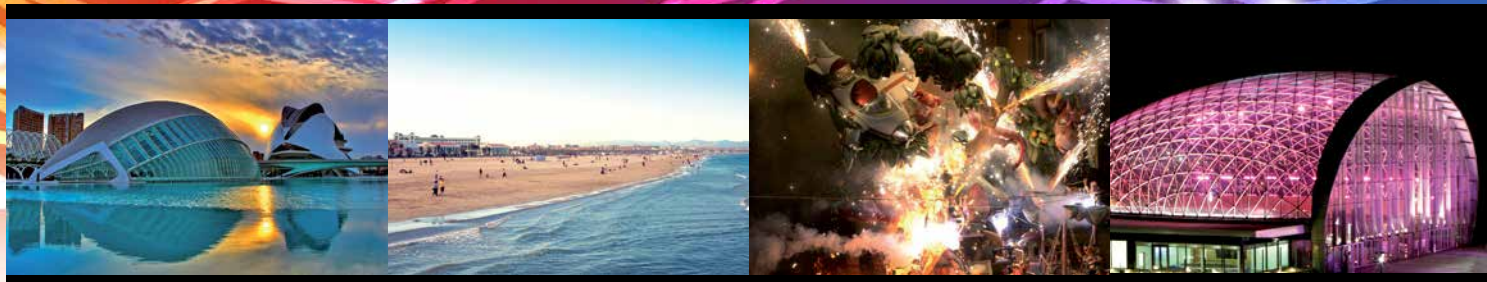
**41ST EUROPEAN
 CONFERENCE ON OPTICAL
 COMMUNICATION**

ORGANISED BY



VALENCIA (SPAIN), SEPT 27TH - OCT 1ST

41ST EUROPEAN CONFERENCE ON
OPTICAL COMMUNICATION



↓ Technical Scope

1 FIBRES, FIBRE DEVICES AND FIBRE AMPLIFIERS

Optical fibres, their design, fabrication and characterisation, physics of light propagation in optical fibres, fibre amplifiers and fibre lasers, as well as fibre based devices and specialty optical fibres for telecommunication and other applications.

2 WAVEGUIDE AND OPTOELECTRONIC DEVICES

Design, fabrication, testing of performances and reliability of devices and components used to generate, amplify, detect, route, interconnect and process optical signals for information transport and processing, routing and interconnecting. Technologies include planar and 3D waveguides, bulk optics, based on various material systems.

3 DIGITAL AND OPTICAL SIGNAL PROCESSING

Modeling, design, and implementation of digital and/or optical techniques, for signal processing for long-haul, metro or access networks. This area includes digital signal processing algorithms for transmitters and coherent receivers, error correction coding, optical regeneration and any other schemes for impairment mitigation. Analog signal processing subsystems and engines for broadband wireless to fibre segment interfacing and vice-versa are also covered.

4 SUBSYSTEMS FOR OPTICAL NETWORKING AND FOR DATACOMS

Modeling, design, implementation and test of optical, optoelectronic, or electrical subsystems, including line terminals with advanced modulation formats and functionalities, performance monitoring techniques and devices,

add-drop multiplexers, optical switches, optical packet routers, optical interconnects, and original measurement equipment. In addition, the area considers interconnection devices, subsystems and architectures that address the challenges of Datacom and Computercom.

5 POINT-TO-POINT TRANSMISSION SYSTEMS

Modeling, design, lab and field implementation of optical transmission fiber links, highlighting system-level implications of physical impairments and impairment mitigation techniques. Contributions to this area are concerned with aspects such as capacity, reach, flexibility, of optical transmission systems and solutions to overcome the current limitations. Papers illustrating the transmission benefits of novel fibres, devices, subsystems and combined multiplexing techniques are welcome. Quantum communication systems based on optical fibre and free-space optical links are also covered.

6 CORE, METRO AND DATA CENTER NETWORKS

Modeling, design, architecture, planning and scaling of optical transport for optical circuit and packet switched core, metro, inter and intra data center networks. This also includes control, orchestration, and management functions, as well as the integration with higher layer network and data center services. It also covers aspects of successful network deployments and field trials.

7 ACCESS, LOCAL AREA AND HOME NETWORKS

Networking aspects of broadband optical access, local-area and home networks. It covers FTtx, passive optical networks, radio-over-fibre systems, optical wireless and free space systems, hybrid wireless/optical solutions, in-building networks. It also comprises aspects of cost and energy savings, successful mass deployments and field trials. The topic of optical interconnects is covered within the 4th topical area.

↓ About ECOC

ECOC is the leading conference on optical communication in Europe, attracting more than 1,000 participants each year and an exhibition space of more than 10,000 m². The latest advances in optical communication technologies are reported, from fibres, components and systems up to networks. ECOC should not be missed by anyone interested in optical communication, such as researchers, product developers, sales managers and telecommunication market developers. Leading-edge technical progress will be reported in carefully selected papers featuring a blend of keynote addresses, invited and regularly contributed papers, tutorial papers, and special symposia that place a specific theme into focus.

↓ Exhibition

In parallel to the conference, there will be a major exhibition presenting a wide range of products and services related to optical communications. The ECOC Exhibition is the largest European optical communications event and the meeting place for everyone in the fibre optic communication technology industry.

Companies from all over the world will show their latest technologies, encompassing new materials, devices, systems, networks and services.

www.ecoc2015.org