



35th European Conference and Exhibition on Optical Communication

September 20 - 24, 2009
Austria Center Vienna

Venue

The Austria Center Vienna (ACV) is one of Europe's top venues for large international conferences.

With its distinctive hexagonal ground plan, it is located between the tower blocks of the Donau City and the United Nations Vienna Headquarters, in the most modern part of the city. The centre offers 17 air-conditioned rooms with a capacity of up to 4,200 people and a total of 22.200 sqm of exhibition space, ensuring an exciting conference and exhibition experience.

The ACV is accessible within a few minutes from Vienna's city centre by metro and is also rapidly reached from the Vienna International Airport (VIE).

Vienna

Vienna has always been and continues to be a place where European history is made. Throughout the centuries, Viennese culture has exerted a strong influence on European arts and lifestyle. Among many others, the works of Strauss, Mozart, Beethoven and Schubert have made Vienna the musical capital of the world.

In addition to its rich cultural heritage, from Lippizaner horses and famous museums to Hofburg and Secession, modern-day Vienna boasts the vibrant cultural scene of a 21st century metropolis.

Important Dates

Deadline for paper submission: [April 17, 2009](#)

Notification of acceptance: [June 5, 2009](#)

Registration deadline accepted authors: [July 7, 2009](#)

Exhibition

A major exhibition related to the scope of the conference will be organized at the Austria Center Vienna. For more information on the exhibition please visit www.ecoc2009.at.

Organization

ECOC 2009 General Chairs

Walter Goldenits, Telekom Austria AG

Herwig Kogelnik, Bell Labs, Alcatel-Lucent

ECOC 2009 Technical Programme Chairs

Walter Leeb, Vienna University of Technology

Peter Winzer, Bell Labs, Alcatel-Lucent

ECOC 2009 Local Organization

Volker Schanz, VDE

Hans-Joachim Grallert, Heinrich Hertz Institut, Berlin

Richard Valenta, OVE

Peter Neu, VDE

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Submission deadline April 17, 2009



The **European Conference on Optical Communication (ECOC)** is the largest conference on optical communication in Europe and one of the largest and most prestigious events in this field worldwide.

In September 2009 the 35th edition of ECOC will take place in Vienna, Austria, signifying the stability and attractiveness of this conference as one of the world's major forums for research in optical communication and networks.

www.ecoc2009.at

Submission of Papers

The technical programme committee invites submission of original, unpublished, clear, accurate, and relevant papers in any of the topic areas listed on the next pages. Both oral and poster presentations are welcome. Prospective authors should submit a two-page paper on templates provided online, using the online submission process, by Friday, April 17, 2009.

Authors must also accept the VDE copyright conditions which will be given on the conference website. Final contributions will be published as part of the Conference Proceedings complete with ISBN reference number and will be available to all conference delegates. Papers will be also published after the conference through IEEExplore and the IET INSPEC.

ECOC 2009 Programme:

Sunday, September 20, 2009

- A number of half-day workshops will be organized. Their aim is to create a discussion forum on topics related to the ECOC technical programme.
- Get Together Reception

Monday, September 21, 2009

Plenary Speakers

- **George Gilder**, President of Gilder Publishing, LLC, Chair of George Gilder / Forbes Telecom Conference:
The future of the Internet and the increasing demand for transport bandwidth in telecom networks
- **Andrew Chraplyvy**, Bell Labs, Alcatel-Lucent:
Future technologies satisfying the application-driven communication needs
- **Anton Zeilinger**, Vienna University:
Quantum communications – The next frontier?

Monday, September 21 through Thursday, September 24, 2009

- Parallel sessions with both invited and contributed papers
- Symposia describing the most recent and influential developments in specific fields
- Tutorials giving a basic introduction to key topics

Monday, September 21 through Wednesday, September 23, 2009

Exhibition

Contributed papers are solicited in the following topical areas:

1) **Fibres, Fibre Devices, and Amplifiers**

This area focuses on optical fibres, their fabrication and characterization, the physics of light propagation in optical fibres, fibre amplifiers and lasers, as well as fibre-based devices for communication and sensor applications.

2) **Waveguide and Optoelectronic Devices**

This area focuses on the fabrication, performance testing, and reliability of devices and components used to generate, amplify, detect, switch, or process optical signals. Technologies include planar-waveguides, bulk-optics, and photonic bandgap structures based on various material systems.

3) **Subsystems and Network Elements for Optical Networks**

This area focuses on the modelling, design, and implementation of optical, opto-electronic, or electrical subsystems and network elements for fixed or adaptive impairment mitigation, performance monitoring, add-drop multiplexing, and optical packet processing.

4) **Transmission Systems**

This area focuses on the modelling, design, and implementation of optical fibre or free-space transmission links, highlighting system-level applications of subsystems and networking elements as well as system-level implications of physical impairments and impairment mitigation techniques. It further covers applications of quantum information technologies.

5) **Backbone and Core Networks**

This area focuses on the modelling, design, architecture, and scaling of optical WDM and packet-based backbone and metro-core networks, including control and management functions and protocols as well as the application of optical communication technologies in core networks. It also covers aspects of successful commercial deployments and transport field trials.

6) **Access Networks and LANs**

This area focuses on networking aspects of broadband optical access and local-area networks. It covers FTTH, passive optical networks, radio-over-fibre systems, hybrid wireless/optical solutions, and in-building networks. It also comprises successful commercial mass deployments, field trials, and applications of optical communication technologies in public, private and enterprise networks.