

ECOC 2008

34th European Conference and Exhibition on Optical Communication

21-25 September 2008

Brussels Expo
Belgium



ECOC 2008

Paper Submissions and Selection

Paper Statistics

	2008	2007	2006
	Brussels	Berlin	Cannes
Submitted Regular	811	737	955
Regular Papers	267	268	319
Posters	129	141	210
Tutorials	7	7	6
Invited Papers	37	37	34

Subcommittees

- **SC 1 - Fibres, Fibre Devices and Amplifiers**
 - Patrice Megret, Faculté Polytechnique de Mons, Belgium
- **SC 2 - Waveguide and Optoelectronic Devices**
 - Christian Lerminiaux, Université de Technologie de Troyes, France
- **SC 3 - Subsystems and Network Elements for Optical Networks**
 - Harm Dorren, Eindhoven University of Technology, The Netherlands
- **SC 4 - Transmission Systems**
 - Peter Andrekson, Chalmers University of Technology, Sweden

Subcommittees

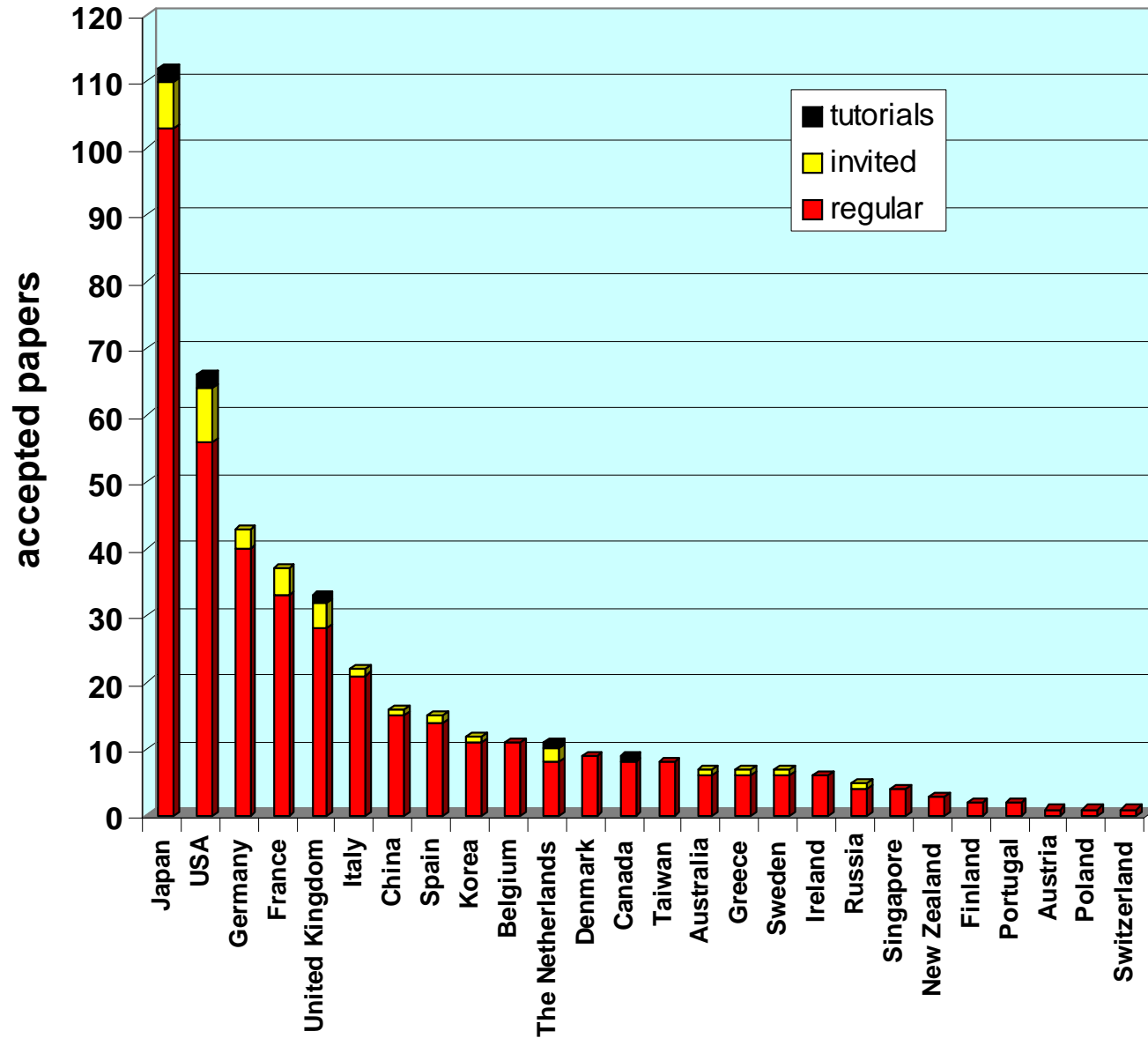
- **SC 5 - Backbone and Core Network**
 - Jan Späth, Ericsson, Germany
 - Ioannis Tomkos, Athens Information Technology Center, Greece
- **SC 6 - Access Networks and LAN**
 - Kees van Bochove, KPN Royal Dutch Telecom, The Netherlands
 - Gerlas van den Hoven, GENEXIS, Eindhoven, The Netherlands
- **SC 7 - CLEO Focus**
 - Roel Baets, Ghent University-IMEC, Belgium
 - John Dudley, Université de Franche-Comté France

Regular Papers

Subcommittee	Submitted	%	Accepted Oral	Accepted Poster
Fibers/Amplifiers	137	18%	48	26
Waveguides/OE-devices	148	19%	47	24
Subsystems/network elements	133	17%	35	16
Transmission systems	124	16%	44	21
Backbone/ core	99	13%	31	16
Access/ Lan	140	18%	48	23
<i>CLEO</i>	30		14	3
TOTAL	811		267	129

Acceptance ratio oral: 34%
Total acceptance ratio: 50%

Country Statistics



Post-Deadline Papers

Subcommittee	Submitted	Accepted
Fibers/Amplifiers	12	5
Waveguides/OE-devices	13	5
Subsystems/network elements	14	3
Transmission systems	10	4
Backbone/ core	10	4
Access/ Lan	7	2
CLEO	5	2
TOTAL	71	25

Acceptance ratio : 35 %

Program

Sunday Workshops (AM)

1. **Multi-tone transmission techniques for optical networks**

Andrew Ellis, Tyndall National Institute, Ireland
Itsuro Morita, KDDI R&D Laboratories, Japan

2. **Workshop on Optical Grids, Drivers & applications for high performance optical networks**

Chris Develder, Ghent University - IBBT, Belgium
Dimitra Simeonidou, University of Essex, UK
Chunming Qiao, SUNY Buffalo, USA

3. **Short range optical networks**

Roberto Gaudino, Politecnico di Torino, Italy
Sebastian Randel, Siemens AG, Germany

4. **Optical fiber sensors - where are we and what's to come?**

Francis Berghmans, Vrije Universiteit Brussels, Belgium
Hugo Thienpont, Vrije Universiteit Brussels, Belgium
Luc Thevenaz, Ecole Polytechnique Fédérale de Lausanne, Switzerland
Moshe Tur, Tel Aviv University, Israel

Sunday Workshops (PM)

- 5. All-Optical versus OEO Networks**
Ioannis Tomkos, AIT, Greece
Winston Way, Opvista, USA
- 6. ROADM in NG Optical Transport Networks**
Hans-Martin Foisel, Deutsche Telekom, Germany
Vishnu Shukla, Verizon, USA
- 7. Towards foundries for photonic components and circuits**
Roel Baets, Ghent University - IMEC, Belgium
Meint Smit, Eindhoven University of Technology, The Netherlands
- 8. 2nd Workshop on Future Internet Design (FID)**
Michael Dueser, T-Systems, Germany
Michael Menth, University of Wurzburg, Germany
Phuoc Tran-Gia, University of Wurzburg, Germany
- 9. Everything converged: today, tomorrow and after tomorrow**
Mikhail Popov, Acreo, Sweden
Claus Popp Larsen, Acreo, Sweden

PLENARY TALKS

“Optical Communications- A View into the Future”

R.C. Alferness

Chief Scientist Bell Laboratories, Alcatel-Lucent, USA



“Technologies for a Petabit Network”

H.-J. Grallert

TU Berlin & Managing Director FhG-HHI, Germany



“Optical communications as a social infrastructure and its enabling technologies”

H. Kuwahara

Fellow, Fujitsu Laboratories Ltd., Japan



SYMPOSIA

Monday Afternoon: **Fibre-Radio Convergence**

- how fibre and radio cooperate for delivering broadband services

Arne Alping, Ericsson, Sweden

Pierre-Yves Fonjallaz, Kista Photonics Research Centre, Sweden

Javier Marti, Universidad Politecnica de Valencia, Spain

Tom Pearsall, EPIC, France

Ralf Schaefer, Heinrich-Hertz-Institut, Germany

Tuesday Afternoon: **Network Solutions to Reduce the Energy Footprint of ICT**

- which role can optics play?

Mario Pickavet, Ghent University – IBBT, Belgium

Rodney Tucker, University of Melbourne, Australia

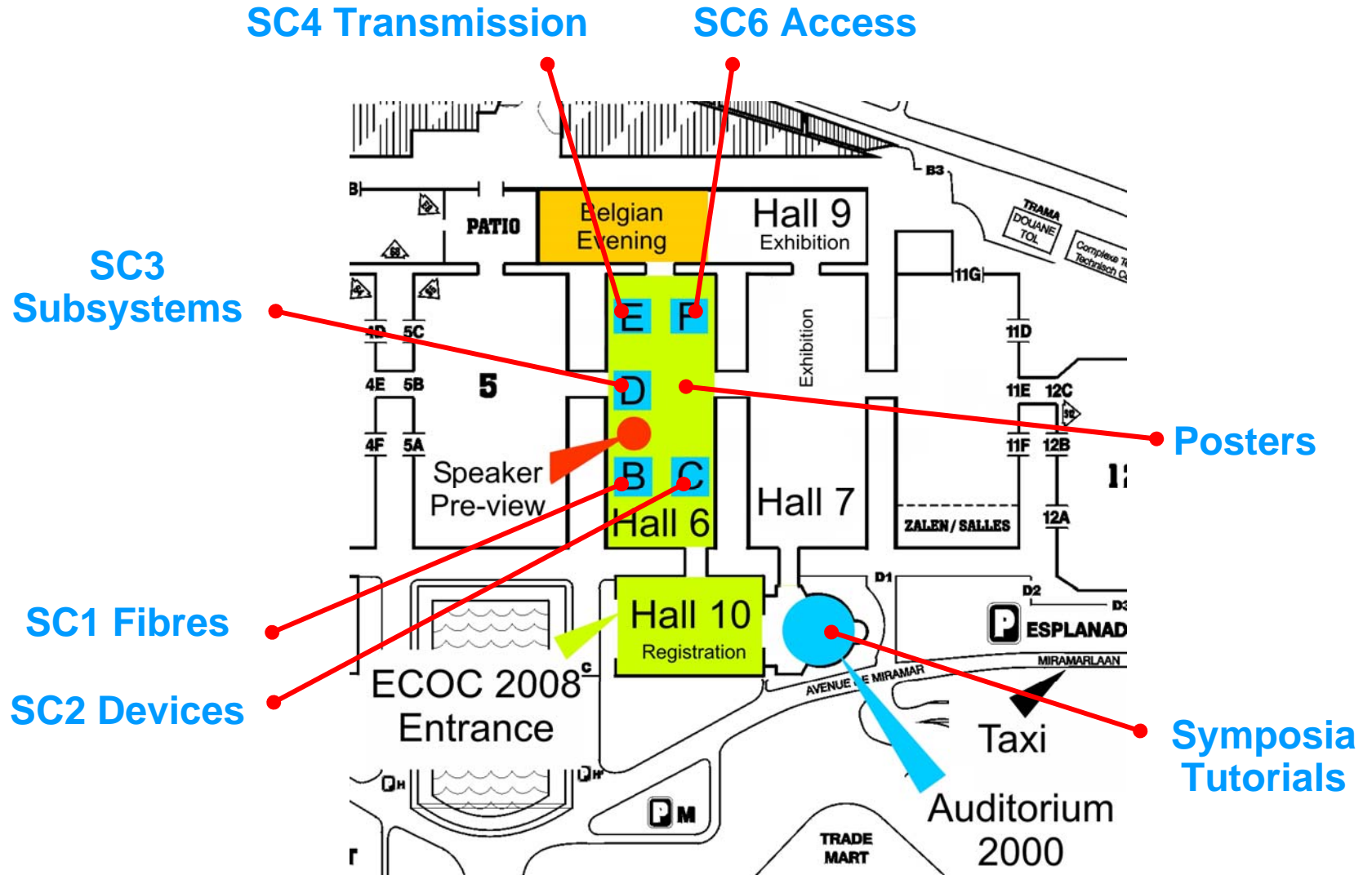
TUTORIALS

1. “Photonic Bandgap Fibres”
T. Birks, University of Bath, United Kingdom
2. “Silicon photonics for next generation computing systems”
Vlasov Yurii, IBM, USA
3. “Multi-function integrated InP-based photonic circuits”
L. Coldren, University of California at Santa Barbara, USA
4. “High-speed digital signal processing for optical communications”
J. Sitch, Nortel, Canada
5. “Coherent transmission systems”
Kikuchi Kazuro, University of Tokyo, Japan
6. “The future of optical networks”
Ken-ichi Sato, Nagoya University, Japan
7. “Trends in optical access and in-building networks”
T. Koonen, COBRA - TU Eindhoven, The Netherlands

Some hot themes

- Photonic crystal fibres, for signal processing
- Silicon photonics
- Advanced signal modulation formats, for long and short haul
- Revival of coherent optical communication, using DSP
- Multi-wavelength multi-Gbit/s long-reach access networks
- mm-wave radio over fibre
- Impairment constrained networking and cross-layer design
- Energy-efficient communication
- High capacity short range MMF networks
- And many more ...

Session locations



SC5 Backbone/Core: Room C/B/D/E
SC7 CLEO: Room F/D

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