



ICTON 2007



9th International Conference on Transparent Optical Networks

July 1-5, 2007 – Rome, Italy, <http://www.itl.waw.pl/icton>

Co-located with:

6th European Symposium on Photonic Crystals ESPC 2007

6th Workshop on All-Optical Routing WAOR 2007

4th Global Optical & Wireless Networking Seminar GOWN 2007

3rd Reliability Issues in Next Generation Optical Networks Workshop RONEXT 2007

3rd Photonic Integrated Components & Applications Workshop PICAW 2007

2nd Nanophotonics for All-Optical Networking Workshop NAON 2007

2nd Conference on GRaphs and ALgorithms in communication networks GRAAL 2007

2nd Special Session on Microresonators and Photonic Molecules: trapping, harnessing and releasing light MPM 2007

2nd Special Industrial Session 2007

CALL FOR CONTRIBUTIONS



The National Institute of Telecommunications in Warsaw together with L'Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione ISCOM technical and research arm of the Italian Communication Ministry, and the IEEE/LEOS Poland Chapter are pleased to announce the **9th International Conference on Transparent Optical Networks ICTON 2007** which will be kindly hosted in ISA premises, Via del Commercio 13, 00100 Rome, Italy, **July 1-5, 2007**.

Rome is a vibrant city rich in its ancient and medieval past and in its present. Rome is served efficiently by several airports with Leonardo da Vinci Fiumicino Airport being one of the top European destinations.

The scope of the Conference is concentrated on the applications of transparent and all-optical technologies in broadband telecommunication networks, systems, and components, and includes:

- *Digital All-Optical Networks*
- *Ultra-dense Wavelength-Division Multiplexing*
- *Ultra-fast Optical Time Domain Multiplexing*
- *Chromatic Dispersion compensation*
- *Polarisation Mode Dispersion*
- *Wavelength conversion*
- *Optical transparency & network scalability*
- *Optical amplifiers*
- *New fibre types, Plastic fibres*
- *Nonlinear transmission*
- *New transmission windows*
- *VCSELS and other novel light sources*
- **Photonic Band-Gap structures (ESPC)**
- *Photonic crystal fibres*
- *Nonlinear & active PBG devices*
- **Photonic component integration (PICAW)**
- **Microresonators & Photonic Molecules**
- **Optical switching & routing (WAOR)**
- *Optical Packet Networks & Services*
- *Optical memories and data storage*
- **Nanoscale & ultrafast photonics (NAON)**
- *Quality of Service issues*
- **Network reliability & availability (RONEXT)**
- **Wireless & Optical Networking (GOWN)**
- *Radio-over-fibre transmission*
- *Analogue transmission systems*
- *Broadband metro and access networks*
- *Next Generation Networking*
- *Modelling of optical systems and components*
- *Network planning and design tools*
- **Graphs & Algorithms in networking (GRAAL)**
- **Industry and Standardisation**
- *Non-conventional optical communications*
- *Other relevant topics*

Authors are cordially invited to submit the **contributions** (max. of 4 pages in electronic form, Word 6.0 or later version accompanied by a PDF version) for Regular and Poster Sessions to icton@itl.waw.pl by **April 30, 2007**. The authors will be notified on the acceptance by **May 15, 2007**. **Post-deadline papers** with recent results are requested by **May 25, 2007**.

Ambitious technical and social programs and friendly relations are traditional ICTON goals. **We are looking forward to the pleasure of welcoming you once again, this time in Rome in July 2007!**

Marian Marciniak
Conference Organiser

Giorgio M. Tosi Eleffi
ICTON 2007 General Chairman

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GRAAL Technical Program Committee

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Special session organisers:

Svetlana V. Boriskina SBoriskina@gmail.com for the *Microresonators and Photonic Molecules - trapping, harnessing and releasing light session*

Uri Mahlab Uri.mahlab@ecitele.com for the *Industrial session*