



## Call for Papers

### 8th workshop on **Green Optical Communications (GOC)**

In conjunction with ICTON  
**20th International Conference on Transparent Optical Networks,**  
Bucharest, Romania, 1-5 July 2018 <https://icton2018.upb.ro/>

Technically (co-)sponsored by the IEEE

**Scope of workshop:** Network operators aim at reducing the energy cost of their current and future networks. Besides, rapidly growing traffic demand leads to increasing global network energy consumption and carbon footprint. Different approaches are being studied to reduce the overall network energy consumption, such as node architectures, node technologies, network design, protocols, etc. The aim of this workshop is to present recent research results targeting energy efficient solutions for optical networks. Topics of relevance include but are not limited to:

- Energy-efficient technologies
  - Impact of different node technologies
  - Impact of different energy profiles: per node, per component, etc.
- Energy efficient optical intra-data center networks
- Energy-efficient mobile backhaul/fronthaul
- Energy-efficient optical networks protocols, architectures, design
- Energy-aware approaches in virtualized environment (SDN, NFV, VNE, etc.)
- Energy-aware routed networks
- Impact of energy consumption on the overall OPEX and TCO.
- Manufacturer and operator experiences on power consumption in communication networks

#### **GOC Technical Program Committee:**

Chair: C. Mas Machuca, Technical University of Munich TUM, Germany  
Co-Chairs: L. Wosinska, KTH Royal Institute of Technology, Sweden  
L. Valcarenghi, Scuola Superiore Sant'Anna, Italy  
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A. Gladisch, Deutsche Telekom, Germany  
D.C. Kilper, Univ. of Arizona, USA  
M. Klinkowski, National Institute of Telecommunications, Poland  
M. Marciniak, National Institute of Telecommunications, Poland  
P. Monti, KTH Royal Institute of Technology, Sweden  
M. Fiorani, Ericsson AB, Sweden  
A. Morea Alcatel-Lucent Bell Labs, Italy  
M. Pickavet, iMinds, Belgium  
K.-I. Sato, Nagoya University, Japan  
D. Schupke, EADS, Germany  
A. Tzanakaki, Univ. of Bristol, UK

**Paper submission:** according to ICTON submission rules at <http://www.itl.waw.pl/icton> (4 pages in electronic form, MS Word accompanied by a PDF version), **please write GOC in the subject line** when submitting your contribution. All accepted GOC papers will be included in ICTON 2018 Proceedings (IEEE publication).

**Important dates:** Submission deadline: March 31, 2018  
Notification of acceptance: April 30, 2018  
Post-deadline papers with very recent results are requested by June 1, 2018