



Plenary Speakers



Prof. S. Svanberg,
 Lund University, Sweden

Prof. S. Svanberg is a member of the Royal Academy of Sciences, and during 10 years a member of its Nobel Committee for Physics; two years as chairman.



Prof. David Payne,
 University of Southampton

Prof. David Payne is the inventor of the erbium-doped fibre amplifier (EDFA). No Payne, no gain.



Jan Höller
 Ericsson

Jan Höller, Fellow Researcher at Ericsson Research, a world-class authority in Internet of Things and Ericsson's leading expert in the area

Topics of interest include (but not limited to) the following:

- **Optical and Wireless Communication Systems and Networks**
 - Optical and wireless transmission systems and subsystems
 - Optical Core/Metro/Access/Data Center network architecture, design, control, and management
 - Optical-wireless integration technologies and converged networks
- **Communication Theory and Technologies, Signal Processing for Communications**
 - Advanced coding schemes for communication systems
 - Digital and electronic signal processing
 - Optical signal processing
 - Applications of machine learning in communication systems and networks
- **Sensor technologies and Networks, Internet-of-Things**
 - Optical sensing & detection
 - Emerging optical and wireless sensor technologies
 - Wireless sensor networks & IoT
- **Space Communications, Navigation and Tracking**
 - Advanced material and devices for space technologies
 - Satellite and space communications
 - Navigation and tracking technologies and services
- **Light-based technologies and Applications**
 - Optical and optoelectronic components
 - Laser -based instrumentation
 - Nonlinear optics
 - Ultrafast optics, optoelectronics & applications
- **Data Science, Big Data, Data Storage**
 - Advanced data processing and analytics
 - Statistical modelling & machine learning
 - Data storage technologies

Special Sessions

- **Special Session 1**
 - UAV Borne Radar Network for Remote Sensing and Ground Target Tracking
- **Special Session 2**
 - Specialty fibers
- **Special Session 3**
 - Optical Fibre Sensors
- **Special Session 4**
 - Space-Division Multiplexing for Capacity Scaling

Important Dates

Submission Deadline: July 15th, 2018

Notification Date: July 20th, 2018

Registration Date: July 25th, 2018

Paper Submission

- EasyChair submission system:

<http://www.easyChair.org/conferences/?conf=icaitle20180>

- Email: submission@icaitle.org

Tentative Program

Sunday 12 August

- Preregistration and short courses

Monday 13 August

- Opening remark & plenary talks
 - Four tracks in parallel
 - Welcome reception

Tuesday 14 August

- Eight tracks in parallel
 - Gala dinner

Wednesday 15 August

- Six tracks in parallel
 - Closing Ceremony & Announcement of ICAIT2019

Contact Information

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