



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: June 10th, 2018

Notification Date: June 25th, 2018

Registration Date: July 10th, 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

Frannie Lee

E: submission@icaitle.org

T: +86 13972222224

Organiser



Co-Organiser



Technical Sponsors



ICAIT 2018 @ KTH Royal Institute of Technology, Stockholm

Since its founding in 1827, KTH Royal Institute of Technology in Stockholm has grown to become one of Europe's leading technical and engineering universities, as well as a key centre of intellectual talent and innovation.

Isafjordsgatan 26, 16443, Kista, Stockholm

