



**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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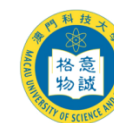
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