



## Workshop Program

### Monday, December 5

09:30 *Arrival+ Coffee*

09:50 *Welcome*

#### **Session 1** (Chair: René Essiambre)

10:00 Andrew Ellis (Aston Univ.): Optical Phase Conjugation - a Compelling Solution or a Recurrent Research Topic?

10:30 Peter Andrekson (Chalmers Univ. of Technology): Ultra-Low Noise Amplification with Nonlinear Fibers and its Application to Communication

11:00 *Coffee Break*

#### **Session 2** (Chair: Stephan ten Brink)

11:30 Ruben Luís (NICT Japan): SDM Transmission Using Multicore Fibers

12:00 Nicolas Fontaine (Nokia Bell Labs USA): Measurements of Mode-Mixing in Multi-Mode and Multi-Core Fibers

12:30 *Lunch*

#### **Session 3** (Chair: Mark Shtaif)

14:00 Antonio Mecozzi (Univ. of L'Aquila): A Coherent Transmission Scheme based on Direct Detection: the Kramers Kronig Receiver

14:30 Darko Zibar (Technical Univ. of Denmark): Communication Systems using Nano-Lasers

15:00 *Coffee Break*

#### **Session 4** (Chair: Gerhard Kramer)

15:30 Mariia Sorokina and Sergei K. Turitsyn (Aston Univ.): Ripple Distribution for Nonlinear Fiber-Optic Channels

16:00 Mark Shtaif (Tel Aviv Univ.): On the Prospects of NLIN Mitigation using Equalization

19:00 *Dinner at Löwenbräukeller*

### Tuesday, December 6

#### **Session 5** (Chair: Norbert Hanik)

09:30 Ronen Dar (Nokia Bell Labs USA): Nonlinear Interference Noise in Digital Subcarrier Multiplexed Systems

10:00 Vahid Aref (Nokia Bell Labs Germany): Modulation over Nonlinear Spectrum: Continuous and Discrete Spectrum

10:30 **Poster Session**

12:30 *Lunch*

#### **Session 6** (Chair: Tobias Fehenberger)

14:00 Radan Slavik (Optoelectronics Research Centre, UK): Data Transmission through Hollow-Core Fibers

14:30 Maxim Kuschnerov (Huawei): SDM System Design from a Market Requirement and Application Point of View