

Solvay Workshop on “Dissipative solitons and optical frequency comb generation” Brussels, September 15 - 16, 2021

WEDNESDAY 15 SEPTEMBER

09:45 - 10:00	Registration
10:00 - 10:15	Welcome speech
10:15 - 11:05	Nathalie Picqué (Max-Planck Institute of Quantum Optics, Germany) <i>Frequency combs for spectroscopy and 3D imaging</i>
11:05 - 11:30	COFFEE BREAK
11:30 - 12:20	Alberto Amo (Université de Lille, France) <i>Driven-dissipative solitons in topological lattices</i>
12:20 - 13:10	Massimo Giudici (Institut de Physique de Nice, France) <i>Time-Localized Fourier modes in Vertical External-Cavity Surface-Emitting Lasers (VECSELs)</i>
13:10 - 14:20	LUNCH BREAK
14:20 - 15:10	François Leo (ULB, Brussels, Belgium) <i>Solitons in coherently driven active fiber cavities</i>
15:10 - 16:00	Dmitry Skryabin (University of Bath, UK) <i>CHI-2 frequency conversion and solitons in microresonators</i>
19 :00	BANQUET

THURSDAY 16 SEPTEMBER

10:00 - 10:50	Frédéric Grillot (Télécom Paris, France) <i>Mode locking and frequency comb generation by four-wave mixing in a semiconductor quantum-dot active medium</i>
10:50 - 11:20	COFFEE BREAK
11:20 - 12:10	Arnaud Mussot (Université de Lille, France) <i>Non-invasive distributed characterization method in phase and intensity of breathers along an optical fiber</i>
12:10 - 13:00	Uwe Bandelow (WIAS, Berlin, Germany) <i>Ultrashort Solitons in the regime of Event Horizons in nonlinear dispersive optical Media</i>
13:00 - 14:10	LUNCH BREAK
14:10 - 15:00	Guillaume Huyet (Institut de Physique de Nice, France) <i>Dark solitons in a long laser</i>
15:00 - 15:50	Kestutis Staliunas (Universitat Politècnica de Catalunya, Barcelona, Spain) <i>Turbulence control by non-Hermitian potentials</i>