

PR  GRAMWEDNESDAY, NOVEMBER 16TH

- 13H30 Registration and refreshment.
- 14H00 ERIC DEPRez Director of Institut d'Alembert, and ISABELLE LEDOUX Director of LPQM:
Welcome address.
- 14H15 MÉLANIE LEBENTAL & JOSEPH ZYSS: Introductory words.
- 14H30 LORENZO MARRUCCI *Berry phases and spin-orbit optical phenomena.*
- 15H A. CHOPINAUD *Duplication of high-helicity topological charges via frequency up-conversion in atomic vapor.*
Z. DENIS *Measurement of the net topological charge of disordered optical multivortice.*
- 15H15 JOSÉ J. GIL *Spin angular momentum of 3D polarization states.*
- 15H30 Break with POSTER SESSION
- 16H15 MARC BRUNEL *Stationary transverse structures in solid-state degenerate-cavity lasers.*
- 16H45 DANIEL BLOCH *Highly-focused Laguerre-Gauss beams and on-axis response: magnetic field, sensitivity to gradients, near-axis chirality, ...*
- 17H00 BARBARA DIETZ *Microwave networks and quantum graph.*
- 17H15 ALBERTO AMO *Edge states in micropillar photonic lattices*

THURSDAY MORNING, NOVEMBER 17TH

- 9H15 KEITARO NAKATANI *Vice-President for Research of ENS Paris Saclay: welcome address.*
- 9H30 MICHAEL BERRY *Nature's optics and our understanding of light.*
- 10H30 SIMON PIGEON *Controlling superfluid vortices in polariton devices.*
THIERRY RUCHON *Attosecond beams carrying an orbital angular momentum.*
- BREAK WITH POSTER SESSION.
- 11H15 ETIENNE BRASSELET *Smart liquid crystal spin-orbit photonic.*
- 11H45 CLAIRE MICHEL *Experimental photonic superfluidity in a bulk nonlinear medium.*
NATALIYA KUNDIKOVA *Effects of spin-orbit interaction of light in multimode optical fibers.*
STEFAN BITTNER *Spatio-temporal dynamics of broad-area semiconductor lasers.*
- 12H15 SYLVAIN GIGAN *Controlling light in scattering media : imaging and beyond.*



OPTIS

SYMPOSIUM OPTIS

OPTICS & SINGULARITIES

PROGRAM

THURSDAY AFTERNOON, NOVEMBER 17TH

LUNCH (Pavillon des Jardins), COFFEE (Curie Hall)

- 14H ADY ARIE *Self accelerating beams of light and matter.*
- 14H30 L. CHOPINEAU *Optical vortices at ultra-high intensity.*
G. PARIENTÉ AND F. QUÉRÉ *Spatio-temporal light springs: extended encoding of orbital angular momentum in ultrashort pulses.*
A. K. FEDOROV *Nonconventional superfluids of polar molecules in subwavelength lattices.*
- 15H MARC GUILLON *Saturated negative and complementary speckle patterns.*
- 15H30 JOSEPH ZYSS and STEFAN BITTNER *Probing borders between geometry and physics with micro-billiard lasers.*
- BREAK WITH POSTER SESSION.
- 16H15 EUGÈNE BOGOMOLNY *Exact solution of scattering on two Aharonov-Bohm vortices.*
- 16H45 JEAN-PIERRE GALAUP / LAURENCE PRUVOST *Twisted light exchanged with atoms and optical tweezers.*
- 17H15 ULF LEONHARDT *Geometric regularisation of the Casimir force.*
- 17H45 Concluding remarks by MICHAEL BERRY.