*Thematic days proposed by the **ROP** and **FEMTO Networks** of the **CNRS Mission for Interdisciplinarity***

WORKSHOP | 4-5 DEC 2018 IRCICA FRANCE

on recent advances in ultrafast nonlinear fiber optics

50 Avenue Halley 59650 Villeneuve-d'Ascq

Pierre SURET
"Ultrafast measurement of phase and amplitude of nonlinear random waves by using heterodyne time microscope and digital time-holography."

Alexandre KUDLINSKI
"Grey, black solitons: Dispersive wave emission and collision in optical fibers."

Matteo CONFORTI
"Shock waves in optical fibers."

Goëry GENTY
"Machine learning: a new tool for studying ultrafast nonlinear instabilities."

Ammar HIDEUR
"Ultra fast mid IR fiber laser sources."

François LEO
"Efficient second harmonic generation in III-V-on-insulator nanowaveguides."

Benjamin WETZEL
"Smart supercontinuum sources: customizing nonlinear optical interactions via adaptive temporal pulse-splitting."

Marc HANNA
"Ultrafast nonlinear fiber optics without fibers: multipass cells."

Lauriane FOUCHÉ
"Fiber-based front-end developments for high power large scale laser facility."

Andrius BALTUŠKA
"Pulse characterization method for ultrashort pulse duration."

Eric CORMIER
"GHz fiber laser source based on femtosecond pulse generation without mode lock."

Camille Sophie BRÈS
"Super continuum calcogenure."

Vincent COUDERC
"Self-organization of light in multimode fibers: examples of applications."

Fetah BENABID
"Glass, gas and light: enabling ingredients for gas fibre photonics."

Hervé RIGNEAULT
"Nonlinear endoscopes."

Julien FATOME
«Domain walls in optical fibers/cavities.»

Bertrand KIBLER
"Modulation instability, breathers and frequency combs in optical fibers."

Guy MILLOT
"Nonlinear fiber optics for near and mid infrared dual comb spectroscopy."

Thibaut SYLVESTRE
"Femtosecond supercontinuum generation in heavy-metal oxide glass photonics crystal fiber."

Jean-Charles BEUGNOT
"Reduction of brillouin scattering by tapered optical fiber."

John DUDLEY
"Advances in real time measurements for nonlinear fiber optics and characterisation of dissipative solitons."

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