USTS 2015 Program

Tuesday, 24 November	
9:30-11:30	Registration
11:45-12:00	Opening remarks and welcome
Session Tu1	Chairperson: Luis Roso
12:00-12:50	**Wendell Hill** (Plenary talk) *Ultrafast lasers: a tool for exploring uncharted territory and revealing fundamental knowledge*
12:50-14:15	Lunch
Session Tu2	Chairperson: Wendell Hill
14:15-14:45	**Alicia Palacios** *Decoding attosecond electron-nuclear dynamics using xuv-ir and xuv-xuv pump-probe techniques*
14:45-15:15	**Luis Plaja** *The bright side of phase mismatch: macroscopic control of harmonic emission and attosecond pulse generation*
Session Tu3	Chairpersons: Rebeca de Nalda and Javier Solis
15:15-16:15	**Oral Posters**
16:30-18:30	**Poster session** with coffee and refreshments
18:30-19:30	GELUR Meeting
20:30–22.30	Social Program. Dinner (restaurant to be announced).

Oral Posters Session Tuesday 24 November, 15:15-16:15

15:15 - 15:20	**Pedro Velarde** *Emission spectra from X Ray laser produced plasmas*
15:20 - 15:25	**Carlos Hernández García** *Generation of circularly polarized isolated attosecond pulses*
15:25 - 15:30	**Francisco Valle** *Laser based X-ray source at the Pulsed Lasers Center (CLPU)*
15:30 - 15:35	**J. Luis Pérez Lustres** *The ingredients of ultrafast Bilirubin deactivation: dark states and two-photon processes*
15:35 - 15:40	**Maria Eugenia Corrales** *A velocity map imaging and theoretical study of the femtosecond Coulomb explosion of CH_3I*
15:40 - 15:45	**Niek van Hulst** *Femtosecond dynamics at the nanoscale; talking to anntena complexes one-by-one*
15:45 - 15:50	**Nicolo Accanto** *Phase control of femtosecond pulses on the nanoscale using SHG nanoparticles and plasmonic nanoantennas*
15:50 - 15:55	**Miguel Martínez Calderón** *Hierarchical structures fabricated by combining surface microstructures and LIPSS on AISI304 with a study of the wettability properties*
15:55 - 16:00	**Vera Giulia Sala** *Light-control of the ultrafast demagnetization pathway in an antiferromagnetic insulator*
16:00 - 16:05	**Rosa Weigand** *Studying plasmonic excitations in nanostructures with the dscan technique*
16:05 - 16:10	**Iñigo Sola Larrañaga** *Procedure to achieve pulse self-compression on gas filled hollow core fibres*
16:10 - 16:15	**Carlos Zaldo** *Tailoring of lanthanide optical bandwidths in single crystals for sub 100 fs laser pulses*

Wednesday, November 25

Session We1	Chairperson: Luis Bañares
9:30-10:20	**Helen Fielding** (Plenary talk) *Shedding new light on photochemistry: from biological chromophores to photoactive proteins*
10:20-10:45	Coffee break
Session We2	Chairperson: Helen Fielding
10:45-11:15	**Raúl Montero** *The early times after the photoexcitation of biomolecules: from gas phase to solution*
11:15-11:45	**Abderrazak Douhal** *Femtosecond Observation of NR Interacting with Regular MCM41 and its Metal-Doped Derivatives*
11:45-12:15	**Rosario González** *Non-adiabatic effects in laser orientation and alignment of molecules*
Session We3	Chairperson: Rosa Weigand
12:15-12:45	**Miguel Vicente Andrés** *Fiber lasers and nonlinear light sources based on photonic crystal fibers*
12:45-13:15	**Marta Castillejo** *Non-linear optics in ultrafast laser ablation plasmas*
13:15-14:45	Lunch
Session We4	Chairperson: Simon Wall
14:45-15:15	**Luis Viña** *Logical gates with polariton condensates in semiconductor microcavities*
15:15-15:45	**Gladys Mínguez** *High-quality "green" nanoparticles via femtosecond laser ablation in liquid*
Session We5	Chairperson: Margarita Martin
15:45-16:15	**Antonio Rivera** *Femtosecond laser irradiation induced-high electronic excitation in insulators studied with the aid of a quantum-kinetic model based on the Boltzmann equation*

16:15-16:45	**Jan Siegel** *Femtosecond microscopy: Visualizing ablation dynamics and non-linear propagation of light in dielectrics*
16:45-17:15	**Daniel Jaque** *Fabrication and structural imaging of ultrafast laser inscribed photonics structures in laser media*
17:15-17:30	Final remarks and end of meeting