

Session Program

18-20 Nov 2026



Ultrafast Science & Technology Spain 2026 – USTS 2026

Oral

□ IGFAE, Santiago de Compostela
Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

Wednesday 18 November

11:00

Oral: Session 1

Session |

Location: IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

11:00–11:30

Opening

11:30–12:15

Ultrafast Molecular Science with Soft X-ray Free-Electron Lasers

Speaker

Markus Guehr

12:15–12:40

Disruptive Probing: Revealing Hidden Reaction Pathways in Molecular Ions and Clusters

Speaker

Marcos Dantus

12:40–12:55

Femtosecond Resonant Coulomb Explosion Imaging of Methyl Iodide Dimers

Speaker

Ignacio M. Casasús

12:55–13:10

Photoinduced charge transfer in rylene diimide monomers, oligomers and polymers

Speaker

Estefania Sucre-Rosales

13:10–13:25

Ultrafast mapping of magnetic-field generation in laser-solid interactions using LWFA electron beams

Speaker

PABLO SAN MIGUEL CLAVERIA

13:25

15:00

Oral: Session 2

Session |

Location: IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

15:00–15:35

Nanoscale probing of ultrafast optical phenomena using free electrons

Speaker

Prof. F. Javier García de Abajo

16:00–16:15

3D multiscale modelling of the interaction of HOH carrying OAM with inhomogeneous plasmas: applications to plasma diagnosis

16:30

Speaker

Eduardo Oliva Gonzalo

16:15-16:30

Probing Surface Light Localization in Topological Multilayers via Surface Second-Harmonic Generation

Speaker

Eva Otero Picon

17:30

Oral: Session 3

Session |

Location: IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

17:30-17:55

Watching femtochemistry with nonadiabatic dynamics

Speaker

Sandra Gómez

17:55-18:10

Femtosecond pulsed laser ablation in liquids upscale of nanoparticle production by beam shaping

Speaker

Carlos Doñate Buendia

18:10-18:25

Four Synchronized Laser Pumped CEP-Stable 2.1 μm OPCPA with Broadband 2.5-10 μm Generation

Speaker

Robertas Grigutis

18:30

Thursday 19 November

09:00

Oral: Session 4

Session |

Location: IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

09:00–09:45

Ultrafast physics of nanoplasma rods in dielectrics

Speaker

Francois COURVOISIER

09:45–10:10

Ultrafast linear and non-linear spectroscopies

Speaker

Prof. Majed Chergui

10:10–10:35

Ultrafast laser fabrication and modelling of functional microstructures for biomedical applications

Speaker

Dr Ana I. Gómez-Varela

10:35–11:00

Versatile metrology of ultrashort pulses using amplitude swing technique

Speaker

Íñigo Sola

11:00

11:35

Oral: Session 5

Session |

Location: IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

11:35–12:10

High-power ultrafast moves into the Terahertz

Speaker

Clara Saraceno

12:10–12:35

Attosecond Transient Absorption Spectroscopy

Speaker

Fernando Ardana Lamas

12:35–13:00

Femtosecond Lasers for the Design and Modification of Niobium-Based Materials

Speaker

Belén Sotillo Buzarra

13:00–13:25

Ultrashort laser-induced micro- and nanostructuring for the functionalisation of photopolymer surfaces

Speaker

DANIEL PUERTO GARCIA

13:25–13:40

Ultrafast Relaxation Dynamics of Pyrroles in Solution: the Role of Specific Interactions**Speaker**

Dr Asier Longarte

13:40

15:00

Oral: Session 6**Session** |**Location:** □ IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

15:00–15:35

Intramolecular electron transfer reactions: accelerated or decreased by the medium?**Speaker**

Luis Arnaut

15:35–16:00

Structured light for new regimes of laser-plasma interaction**Speaker**

Marta Fajardo

16:00–16:15

Excited State Dynamics of Congested Cu(I) Complexes.**Speaker**

Marcos de Lucas Medina

16:15–16:30

Ultrafast imaging at sunlight fluence to track optimal energy transport in photosynthetic membranes**Speaker**

Niek van Hulst

16:30

17:00

Oral: Session 7**Session** |**Location:** □ IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

17:50–18:05

Latest achievements and developments in high repetition rate ultrashort femtosecond lasers for secondary sources**Speaker**

Olivier ZABIOLLE

18:05–18:20

Solvent-Controlled Ultrafast Relaxation and Long-Lived State Formation in para-Nitroaniline**Speaker**

Kushal Shaw

18:20

Friday 20 November

09:00

Oral: Session 8

Session |

Location: IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

09:00–09:45

Laser cavity solitons in microcombs: dynamics, robustness, and perspectives

Speaker

Alessia Pasquazi

09:45–10:10

VEGA laser facility at CLPU: Infraestructure expansion and performance upgrades

Speaker

Cruz Mendez

10:10–10:35

Structured laser pulses: a tool to study chirality

Speaker

Laura Rego Cabezas

10:35–10:50

Ultrafast nanoscale phase imaging at the tabletop

Speaker

Óscar Pérez Benito

10:50–11:05

RESEARCH ON ULTRAFAST PHOTONICS SYSTEMS AT FYLA LABS

Speaker

Dr Pere Pérez-Millán

11:05

11:35

Oral: Session 9

Session |

Location: IGFAE, Santiago de Compostela, Rúa de Xoaquín Díaz de Rábago, 15705 Santiago de Compostela, A Coruña

11:35–12:00

Ultrafast OPCPA for fundamental physics

Speaker

Hugo Pires

12:25–12:50

Laser Isolation of Circulating Tumoral Cells in Liquid Biopsy

Speaker

Carlos Molpeceres

12:50–13:05

Inter-pulse memory and surface morphology formation in ultrafast-laser-modified fused silica for selective laser-induced etching

Speaker

Henry Axt

13:05-13:20

Surface passivation effects on the optical and excitonic properties of Ag₂S nanocrystals for NIR-II applications**Speaker**

Victor Vega Mayoral

13:20-13:35

Photoinduced Charge-Transfer Suppresses Triplet Formation Efficiency in Thiocoumarins: Evidence from Ultrafast Spectroscopy and Theoretical Calculations**Speaker**

Abhijit Dutta

13:35-13:50

Closure

13:50