

VI CLPU Users Meeting



1st – 2nd October, 2020

Towards a Laser-Plasma Spanish Community

1st October

OVERVIEW

13:30 – 15:30

- Welcome to the IV CLPU Users Meeting
- Luis Roso (Director of the CLPU): *The CLPU and the user access*
- Luca Volpe (Director of the CLPU Laser-Plasma Chair at University of Salamanca): *Introduction to the VI CLPU Users Meeting*
- Kazuo A. Tanaka (Scientific Director of ELI-NP): *Laser & Experimental status at ELI-NP in Romania*
- Sylvie Jacquemot (Laserlab-EU Coordinator): *The Laserlab-Europe Network*
- Felicie Albert (Chair of the LaserNetUS): *LaserNetUS, a network of high-power laser facilities in the US for groundbreaking science*

USER REPORTS I

15:30 - 16:30

- Matteo Passoni (Politecnico di Milano): *Laser-driven secondary sources for material science application*
- Wendell T. Hill III (University of Maryland): *Relativistic Thomson scattering based-vacuum gauge*
- Dino Jaroszynski (University of Strathclyde): *Electron sources from PW laser (high charge THz)*

16:30 - 16:50

BREAK

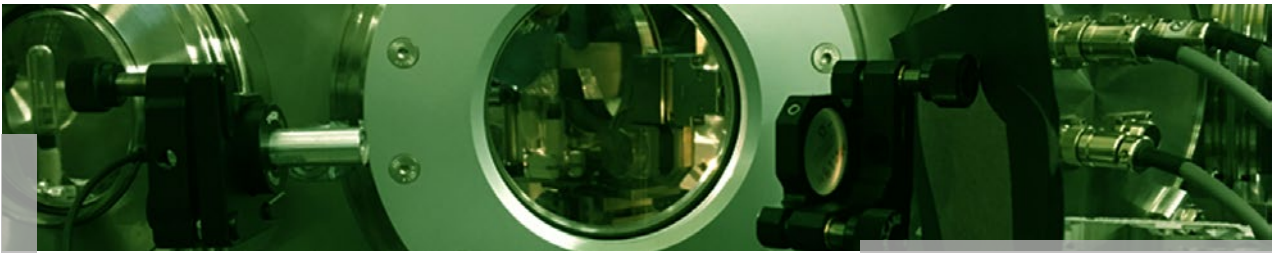
TALKS FROM SPAIN I

16:50 - 18:10

- Maite Flores (Universidad de Santiago de Compostela): *TW-Class laser at the University of Santiago*
- Carlos Hidalgo (CIEMAT): *Towards a fusion reactor: integration of physics & technology & synergetic effects*
- Ricardo Florido (Universidad de Las Palmas de Gran Canaria): *Atomic spectroscopy in laser-plasma experiments*
- Jorge Quereda Bernabeu (USAL/NANOLAB): *Photocurrent spectroscopy in two-dimensional semiconductors*
- Pedro Velarde (Universidad Politécnica de Madrid): *R&D in laser fusion & materials & related areas at IFN-GV*

18:10 - 19:30

ROUND TABLE [Moderators: Robert Fedosejevs (University of Alberta) & Malte Kaluza (University of Jena)]



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2nd October

OVERVIEW

- **Luca Volpe** (Director of the CLPU Laser-Plasma Chair at USAL): *The CLPU Laser-Plasma Chair: past, present and future*
- **Allen Weeks** (General Director of ELI-DC): *The ELI Delivery Consortium*
- **Federico Canova** (Manager of Scientific and Technical Coordination of ELI-DC): *The ELI pillars in EU*
- **Cruz Méndez** (Head of the Technical Division of the CLPU): *The laser VEGA*
- **Luis Roso** (Director of the CLPU): *Laser-driven neutron sources*

08:30 – 10:00

USER REPORTS II

- **Luca Volpe** (CLPU-USAL): *Stopping power measurements of energy-selected ions in a moderately coupled and degenerate plasmas*
- **Joao J. Santos** (University of Bordeaux): *Ion acceleration by ultra-intense laser interaction with a high-density gas jet*
- **Yasunobu Arikawa** (University of Osaka): *Study for an efficient repetitive neutron generation via laser-driven photonuclear reaction*

11:00 - 11:20

BREAK

TALKS FROM SPAIN II

- **Luis Bañares** (Universidad Complutense de Madrid): *Ultrafast XUV-IR induced photodynamics in polyatomic cations*
- **Antonio Rivera** (Instituto de Fusión Nuclear): *Modification of plasmonic nanoparticles with laser pulses*
- **Jens Bieger** (ICFO): *Electronic & Lattice Dynamics from Attosecond X-ray spectroscopy*
- **Wojciech Gawelda** (UAM-IMDEA): *Observing coherent atomic motions with ultrafast X-ray spectroscopies & scattering*
- **Pablo Cirrone** (National Inst. of Nuclear Fusion - Catania Laboratories): *Status of the ELIMAIA/ELIMED beamline & its dosimetric diagnostic*

12:40 - 14:00

ROUND TABLE | Moderators: **Javier Honrubia** (Univ. Politécnica de Madrid) & **Javier Solís** (Inst. Óptica-CSIC)