

| Third LA ³ NET school. Advanced laser applications: CLPU, Spain | | | | Monday 29 September to Friday 3 October 2014 | | |
|--|--|---|--|--|---|---|
| | Monday 29th | Tuesday 30th | Wednesday 1st | Thursday 2nd | Friday 3rd | |
| 8:30 9:30 | Welcome / Introduction Luis Roso, CLPU Admin/logistics Enrique Conejero, CLPU LA ³ NET Rob Ashworth, ULIV | Laser ion sources at RILIS – main applications: Klaus Wendt, UMainz | Ion acceleration: Andrea Macchi, CNR/INO Pisa | Industry session I: trends in laser technology. Applications of high peak power lasers; latest development for PW class laser at Amplitude Technologies & example of layout of installed systems Julie Siv, Amplitude Technologies | 08:30 start for SB and fellows. 09:30 start for other delegates 8:30 Supervisory Board (SB) Annual Meeting: Fellows overview of progress | |
| 9:30 10:30 | Introduction to lasers & Laserlab: Luis Roso, CLPU | Application of RILIS in gas cell: Iain Moore, JYFL | Novel accelerator schemes including dielectric, meta materials, gradients, simulation: Gil Travish, SLAC | Industry session II: panel session with 3 industry representatives and 2 others. 3 minute pitch for funding then Q&A with audience using voting app. | THz applications: Claudio Paoloni, ULancaster | SB Annual Meeting continued |
| 11:00 12:00 | History of accelerator development in Europe: Vinod Chohan, CERN | Photoinjectors: Frank Stephen, DESY Zeuchen | Overview of simulation codes at the interface (VORPOL, plasma generation and interaction with the beam, particle acceleration): Jonathan Smith, TechX | Industry session III: R&D in the laser optics field Julien Vigroux, Thorlabs | SC meet | Compact x-ray sources: Alessandro Variola, LAL Paris |
| 12:00 13:00 | Accelerator applications: Carsten Welsch, ULIV | FEL I: Introduction to FELs including seeding schemes, cascading & facility design: Atoosa Meseck, Helmholtz Berlin | Advanced diagnostics (plasma characterisation, laser electron beams, synchronisation, challenges ahead): Jens Osterhoff, DESY | 11:30 (Q&A) Study session 90 mins <i>split in 4 groups</i> CLPU / speakers | | Industry application of lasers: Dieter Hoffmann, Fraunhofer ILT |
| LUNCH – Abba Fonseca Hotel except for Wednesday at CLPU | | | | | | |
| 14:30 15:30 | Laser ion sources: Bruce Marsh, CERN | (Q&A) Study session <i>split in 4 groups</i> Steering committee members | Visit CLPU facilities where lunch will be served Approx. 2h00 In groups 16:30: CLPU tour ends Sponsored by Laserlab Europe | Poster session and industry table-top displays with prototypes and demonstrations (Drinks sponsored by Danfysik) | DEPARTURE | |
| 15:30 16:30 | Laser acceleration: Arie Irman, HZDR | | | | | |
| 17:00 18:00 | Laser based diagnostics: David Walsh, Daresbury Labs | FEL II: Advances in FELs. Very short pulses, high brightness & advanced diagnostics: Allan Gillespie, Dundee | | Seminar: Panoramic overview of applications from an industry perspective, future applications and market: Arnd Baurichter, Danfysik | | |
| Eve | 18:30: Reception in Salón de Pinturas, Colegio Arzobispo Fonseca. Tapas with wine, soft drinks | 18:30: Outreach seminar in Spanish (subtitle EN) Plenary talk on attophysics. Luis Plaja, USalamanca Salón de Actos de la Facultad de Ciencias, Plaza de los Caídos Evening meal in Abba Fonseca Hotel | Evening meal in Abba Fonseca Hotel Guided tour of Salamanca, approx. 1h30 | 20:00: Formal dinner at Grand Hotel Don Gregorio | | |

Sunday 28th September, 20:00: registration opens with a light meal at the Abba Fonseca Hotel

