



Extatic Welcome Week

ICTP, Adriatico Guesthouse, Giambiagi Lecture Hall
16 – 20 January 2017

Programme

Monday 16th January '17

- 12:00 – 13:15 Lunch & Registration
- 13:15 – 13:30 Opening
- 13:30 – 15:00 **Invited - David Attwood – Berkeley - CONFIRMED**
Overview of x-ray and EUV Science and Technology
- 15:00 – 15:20 **Hu Lu**
Photoabsorption in laser produced short and ultrashort duration UV and VUV laser fields
- 15:20 – 15:40 **Ahmed Gaballah**
Optical and structural characterization of reflective quarter wave plates for FUV/EUV range
- 15:40 – 16:00 **Ellie Floyd Barte**
Soft x-ray generation under the action of pico- and nanosecond laser pulses on nano-structured targets
- 16:00 – 16:30 Coffee break**
- 16:30 – 16:50 **Domagoj Kos**
Colliding laser produced plasmas studies of different elements
- 16:50 – 17:10 **Jan Bussmann**
Development of the element-selective coherent imaging techniques in the extreme ultraviolet spectral range using partially coherent plasma based sources.
- 17:10 – 17:30 **Alfio Torrisi**
Employment of short wavelength radiation for development of nano imaging systems based on a double stream gas-puff target sources and Fresnel optics
- 17:30 Reception**

Tuesday 17 January '17

- 09:00 – 10:00 **Invited – Francesca Calegari – Milan/DESY - CONFIRMED**
Tracking electron dynamics induced by XUV attosecond pulses in molecules
- 10:00 – 11:00 **Invited – Reinhard Kienberger – TU-Munich - CONFIRMED**
Attosecond electron dynamics on surfaces and layered systems
- 11:00 – 11:30 Coffee**

- 11:30 – 11:45 **Gladson Joseph**
Smallest Sun: Generating the hardest soft X-rays from the hottest smallest laser plasma
- 11:45 – 12:00 **Lazaros Varvarezos**
Fast and Ultrafast Multiphoton-Multicolour Ionization and Spectroscopy of Small Quantum Systems
- 12:00 – 12:15 **Muhammed Bilal Alli**
Vacuum Ultraviolet Laser Induced Breakdown Spectroscopy (VUV LIBS)
- 12:15 – 12:30 **Ismail Abdalla Saber**
Experimental and theoretical emission spectra of atomic and molecular gases in the UV-Vis region excited by intense EUV pulse
- 12:30 – 12:45 **Syedah Sadaf Zehra**
Time resolved VUV LIBS - Limit of Detection (LOD) Optimization for Light Elements in Metals
- 12:45 – 14:00 Lunch**
- 14:00 – 14:15 **Kety Jimenez Tejera**
Design, Development and characterization of thin film filters for high brilliance sources in the UV-X-ray Spectral range
- 14:15 – 14:30 **Daniel Vicario**
Laboratory tomographic microscopy with compact plasma based extreme ultraviolet and soft x-ray sources
- 14:30 – 15:30 **Invited – Kevin Prince – FERMI/ELETTRA - CONFIRMED**
Atomic, Molecular, Optical and Cluster physics with synchrotrons and Free Electron Lasers
- 15:30 – 16:00 Coffee**
- 16:00 – 17:00 **Invited – Luca Labate – CNR Pisa - CONFIRMED**
Laser-driven electron acceleration and secondary X/γ-ray sources
- 17:00 – 18:00 **All Extatic Meeting** (Doctoral Candidates 2014, 2015, 2016, Extatic Secretariat and Extatic Partners)

Wednesday 18 January '17

- 09:30 – 11:00 **Invited - David Attwood – Berkeley - CONFIRMED**
The evolution of undulator radiation to free electron lasing
- 11:00 – 11:30 Coffee**
- 11:30 – 12:30 **Invited – Peter Høghøj – XENOCSS - CONFIRMED**
Exploring the very small with x-ray scattering in the lab
- 12:30 – 14:00 Lunch**

14:00 – 18:00 Visit to the ELETTRA Synchrotron and FERMI Free Electron Laser
 19:00 Dinner

Thursday 19 January '17

Welcome Week

10:00 – 11:00	10:00 – 10:20	UoS Laboratory and Facilities	
	10:20 – 10:40	MUT Laboratory and Facilities	
	10:40 – 11:00	CTU Laboratory and Facilities –	
11:00 – 11:30	Coffee		
	11:30 – 11:50	U Padua Laboratory and Facilities	
11:30 – 12:50	11:50 – 12:10	DCU Laboratory and Facilities	
	12.10 – 12.30	UCD Laboratory and Facilities	
	12:30 – 12:50	RWTH Laboratory and Facilities	
13:00 – 14:00	Lunch		
	14:00 – 15:00	Invited – Luca Giannessi – FERMI/ELETTRA – CONFIRMED - <i>Free Electron Lasers in the extreme ultraviolet and X-ray spectral regions. Coherence in short wavelength FELs</i>	
	15:00 – 16:00	Invited – Inam Ul Ahad - CONFIRMED <i>Extreme Ultraviolet Technology for Biomedical Engineering Applications</i>	
	Doctoral Panel Meeting – Finalise DCA (Doctoral Candidates 2016 & PIs)		
	16:00 – 17:30	Free time (All Doctoral Candidates 2014, 2015 & 2016)	Executive Management Committee Meeting (EMC & Doctoral Candidate Representatives)

Friday 20 January '17

09:00 – 10:00 **Fulvio Parmigiani – University of Trieste - CONFIRMED**
Title to be announced

10:00 – 11:00 **Giuseppe Sansone – Politecnico Milano - CONFIRMED**
ELI-ALPS: the next generation of attosecond sources

11:00 – 11:30 **Coffee**

11:30 – 11:40 **Katravulapally Tejaswi**



11:40 – 11:50 **Haoyan Lu**

11:50 – 12:00 **Malik Nadeem Ahmed**

12:00 – 12:10 **Vikash Kumar**

12:10 – 12:20 **Syed Moein Ghafoori**

12:20 – 12:30 **Haider Al Juboori**

12:30 – 12:40 **Ana Pallares**

12:40 – 13:00 **EXTATIC Summary and Close – John Costello**

13:00 **Close of Welcome Week**

