

Fonda Fasella Award

Chair: C. Masciovecchio

14:00 D. Gauthier: Orbital angular momentum from extreme-ultraviolet light sources

Scientific Program

4 December 2018

14:40 Welcome: A. Franciosi

14:55 Introduction to the workshop: C. Masciovecchio

Session 1 Chair M. Dell'Angela

15:10 – 15:45 - Simone DI Mitri: *Overview on Time-Resolved Schemes for Synchrotrons*

15:45 – 16:20 - Majed Chergui: *Perspectives for Time-Resolved X-ray studies at Synchrotrons*

16:20 – 16:55 - Xiauyang Zhu: *Polarons in lead halide perovskites*

16:55 – 17:15 - Coffee break

Session 2 Chair P. Moras

17:15 – 17:50 - Fausto Sirotti: *Challenges and opportunities for pump-probe spectroscopy at synchrotron radiation sources*

17:50 – 18:25 - Philippe Wernet: *Closing information gaps in photochemical reaction dynamics with ps x-ray spectroscopy*

18:25 – 19:00 - Alexander Föhlisch: *Picosecond soft X-ray science and the variable pulse length storage ring BESSY-VSR*

19:00 – 20:00 - **Discussion** (Chair: Alexander Föhlisch)

20:30 – 22:30 Workshop Dinner

5 December 2018

Session 3 Chair K. Prince

08:30 – 09:05 - Mathias Kläui: *Ultra-fast spin-orbitronics revealed by dynamic x-ray based microscopy*

09:05 – 09:40 - Laurent Nahon: *Opportunities for exploring ps-dynamics in the VUV - XUV range on gas phase molecules including chiral systems*

09:40 – 10:15 - Marco Cammarata: *Picosecond dynamics of photoexcited materials*

10:15 – 11:00 Posters & Coffee break

11:00 – 11:35 - Katharine Reid: *Extracting dynamical information from picosecond time-resolved photoelectron images*

11:35 – 12:10 - Giacomo Ghiringhelli: *Resonant soft x-ray spectroscopy with ps time resolution: scientific opportunities and technical constraints*

12:10 – 13:10 - **Discussion** (Chair: Giacomo Ghiringhelli)

13:10 – 14:30 Lunch

Session 4 Chair G. Panaccione

14:30 – 15:10 - Chris Milne: *Time-resolved X-ray Spectroscopy at High Repetition Rates: Applications to Chemistry and Biology*

15:10 – 15:50 - Mirko Cinchetti: *Correlation between optical and transport properties in organic semiconductors probed by time- and angle-resolved photoemission*

15:50 – 16:30 - Kai Rossnagel: *Time-resolved photoemission using ultrashort XUV and soft X-ray pulses*

16:30 - 17:00 Final Remarks

