

# Time resolved structural studies

## Synergy and complementarity between ESRF and XFEL



ESRF Auditorium - 4 + 5 March 2019



### Programme

Monday 4 March 2019	
08:30 - 08:50	<b>Jean SUSINI</b> , Director of Research, ESRF Grenoble, France
08:50 - 09:10	<b>Serguei MOLODTSOV</b> , European XFEL, Schenefeld, Germany <i>European XFEL: Status and Research Applications</i>
09:10 - 09:45	<b>Christian BRESSLER</b> , XFEL Germany
09:45 - 10:15	<b>Michael WULFF</b> , ESRF Grenoble, France <i>The ID09 beamline: history and visions for the future</i>
10:15 - 10:45	Coffee break
10:45 - 11:10	<b>Dmitry KHAKHULIN</b> , XFEL Hamburg, Germany <i>FXE instrument of the European XFEL: experimental capabilities and first results</i>
11:10 - 11:35	<b>Matteo LEVANTINO</b> , ESRF Grenoble, France <i>Time-resolved structural studies at the ID09 beamline of the ESRF</i>
11:35 - 12:25	<b>Richard NEUTZE</b> , University of Gothenburg, Sweden <i>Time resolved diffraction and scattering studies of protein structural changes using XFEL and synchrotron radiation</i>
12:30 - 13:30	Lunch at ESRF on-site restaurant
14:00 - 14:50	<b>Majed CHERGUI</b> , EPFL Lausanne, Switzerland <i>Structural dynamics of hemoproteins using synchrotron radiation and X-ray free electron lasers</i>
14:50 - 15:15	<b>Kristoffer HALDRUP</b> , Technical University of Denmark
15:15 - 15:40	<b>Qingyu KONG</b> , Synchrotron SOLEIL <i>Photochemical reaction dynamics of Ru<sub>3</sub>(CO)<sub>12</sub> studied by picosecond and femtosecond X-ray solution scattering at ESRF and LCLS</i>
15:45 - 16:15	Coffee break
16:15 - 16:40	<b>Sebastian WESTENHOFF</b> , University of Gothenburg, Sweden <i>Time-resolved WAXS reveals solution structural changes in photoreceptor proteins</i>
16:40 - 17:05	<b>Martin WEIK</b> , Institut de Biologie Structurale - Grenoble France
17:05 - 17:30	<b>Anton PLECH</b> , Karlsruhe Institut of Technology, Germany <i>Time-resolved nanoscience – between molecular kinetics and solid-state dynamics</i>
17:30 - 17:55	<b>Charles PEPIN</b> , CEA France <i>Time-resolved synchrotron XRD of shock compressed matter : the case study of Bi</i>
17:55 – 18:20	<b>Simone TECHERT</b> , DESY Hamburg, Germany <i>Studying complex chemical reactions at pulsed high-flux X-ray sources</i>
19:00 - 21:00	Dinner at the ESRF on-site restaurant

## Tuesday 5 March 2019

08:30 - 09:20	<b>Shin-ichi ADACHI</b> , KEK Photon Factory, Japan <i>Complementarity of SR and XFEL sources for tracking chemical reactions in solution with ultrashort X-ray pulses</i>
09:25 - 09:50	<b>Martin NIELSEN</b> , Technical University of Denmark <i>Kinetics and dynamics in bi-metallic complexes in solutions</i>
09:50 - 10:15	<b>Peter GAAL</b> , University of Hamburg, Germany <i>Implementation of a high repetition and short pulse option at ID09</i>
10:15 - 10:45	Coffee break
10:45 - 11:10	<b>Pieter GLATZEL</b> , ESRF Grenoble, France <i>Chemical information in X-ray emission spectroscopy</i>
11:10 - 11:35	<b>Grigory SMOLENTSEV</b> , Paul Scherrer Institute, Switzerland <i>Excited state of Cu-based OLED material is probed with pump-probe XAS, XES and WAXS</i>
11:35 - 12:00	<b>Thomas PENFOLD</b> , Newcastle University, United Kingdom <i>Time-resolved X-ray Spectroscopy: from the nano to the femtosecond regimes</i>
12:00 - 13:00	Buffet lunch in the Auditorium
13:00 - 13:25	<b>Maciej LORENC</b> , Université de Rennes, France
13:25 - 13:50	<b>Tim Brandt VAN DRIEL</b> , SLAC National Accelerator Laboratory, USA <i>Experiences from the LCLS</i>
13:50 - 14:15	<b>Sylvain RAVY</b> , Université Paris-Sud, France <i>Charge-density waves at the femto- and picosecond timescale</i>
14:15 - 15:00	<b>Roundtable discussion</b>