

# 3rd Workshop on Advanced FEL Techniques

## *Program*

### **Thursday, September 22nd**

#### **Session 1: Overview Talks**

09:00 - 09:15 Introduction

09:15 - 10:00 FEL developments - Simone Di Mitri, FERMI

10:00 - 10:45 An overview on FEL user applications - Intae Eom, PAL XFEL

10:45 - 11:00 Coffee break

#### **Session 2: Short Pulses**

11:00 - 11:30 Short pulse and two color production at EuXFEL - Andrei Trebushinin, EuXFEL

11:30 - 12:00 Femtosecond polarization modulation of FEL pulses - Primoz Rebernik, FERMI

12:00 - 12:30 Discussion

12:30 - 14:00 Lunch

#### **Session 2: Short Pulses (cont'd)**

14:00 - 14:30 Two color and short pulse modes at SwissFEL - Eduard Prat, SwissFEL

14:30 - 15:00 Attosecond coherent control and timing tool  
for 2-color photo-ionization - Kumar Praveen Maroju, Freiburg  
University

15:00 - 15:15 Coffee Break

15:15 - 15:45 Applications of "XLEAP" at the LCLS - Siqi Li, LCLS

15:45 - 16:45 Discussion

#### **Session 3: Coherence and spectroscopy**

16:45 - 17:15 An overview of XFEL oscillators and cavity based systems - Patrick Rauer, EuXFEL

17:15 - 17:45 Novel developments for seeded FELs - Georgia Paraskaki, DESY

### **Friday, September 23rd**

#### **Session 3: Coherence and spectroscopy (cont'd)**

09:00 - 09:30 Harmonic generation from seeded and self-seeded FELs - Shan Liu, EuXFEL and  
Giuseppe Penco, FERMI

09:30-09:45 Coffee break

09:45-10:15 Opportunity and challenges for RIXS with a MHz FEL - Benjamin van Kuiken, EuXFEL

10:15-10:45 Ghost spectroscopy and stochastic imaging applications - Sharon Shwartz, Bar-Ilan  
University

10:45-11:15 Two photon interference - Ichiro Inoue, RIKEN

11:15 - 12:15 Discussion

12:15-12:30 End of workshop