

# Program-at-a-Glance

| Jul.19 (Fri.)                       | Jul.20 (Sat.)  | Jul.21 (Sun.)   | Jul.22 (Mon.)   |
|-------------------------------------|--|---|---|
|                                     | <b>08:30 Registration</b><br><b>10:00 OpeningRemarks</b><br><b>(Dajun Ding)</b>  | <b>Chair: Marc Simon</b><br><b>08:30 Makina Yabashi</b><br><b>09:20 Zhentang Zhao</b><br><b>09:50 Carlo Callegari</b>                             | <b>Chair: Michael Meyer</b><br><b>08:30 Artem Rudenko</b><br><b>09:20 Raimund Feifel</b><br><b>09:50 Edwin Kukk</b>   |
| <b>13:00</b><br><b>Registration</b> | <b>Chair: Kiyoshi Ueda</b><br><b>10:10 Paul Corkum</b><br><b>11:00 Ken-ichi Ishikawa</b><br><b>11:30 Zengxiu Zhao</b>  | <b>10:10 Coffee break</b>   | <b>10:20 Coffee break</b>   |
|                                     |  | <b>Chair: John Costello</b><br><b>10:40 Nina Rohringer</b><br><b>11:10 Hiroshi Iwayama</b><br><b>11:40 Leonie Flueckiger</b>                      | <b>Chair: Mats Larsson</b><br><b>10:40 Daniel Rolles</b><br><b>11:10 Giuseppe Sansone</b><br><b>11:40 Concluding remarks</b><br><b>(Peter Lambropoulos)</b> |
|                                     | <b>12:00 Lunch</b>   | <b>12:00 Lunch and Business</b><br><b>meeting (IAB members)</b>   | <b>12:00 Lunch</b><br><b>13:00 Tour</b>   |
|                                     | <b>Chair: Maria Novella</b><br><b>Piancastelli</b><br><b>13:30 Nora Berrah</b><br><b>13:50 Li Fang</b><br><b>14:10 Yuhai Jiang</b><br><b>14:30 Shaobo Fang</b> | <b>Chair: Matjaz Zitnik</b><br><b>13:30 Tommaso Mazza</b><br><b>14:10 John Bozek</b><br><b>14:40 Xiangdong Li</b>                                 |   |
|                                     | <b>14:50 Coffee break and</b><br><b>taking photo</b>   | <b>15:00 Coffee break</b>   |   |
|                                     | <b>15:20 Poster session</b>  | <b>Chair: Anatoli Kheifets</b><br><b>15:20 Arvinder Sandhu</b><br><b>15:50 Thomas Pfeifer</b><br><b>16:30 Di Zhao</b><br><b>16:50 Robert Sang</b> |   |
|                                     | <b>18:00</b><br><b>Wecome</b><br><b>Reception</b>  | <b>17:00 City sightseeing</b>   | <b>18:30 Banquet</b>  |

# Program Schedule

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Friday, July 19, 2013 (Grand Metropark Hotel) ABSTRACT PAGE

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## Welcome

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13:00—21:00 Registration  
18:00—21:00 Welcome Reception

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Saturday, July 20, 2013 (Grand Metropark Hotel)

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08:30—10:00 Registration  
10:00—10:10 **Dajun Ding**  
(10 min) Welcome for opening

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## Plenary Session

 Chair: **Kiyoshi Ueda**

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10:10—11:00 **Paul Corkum**  
(50 min) Attosecond Science and Technology

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## Oral Session

 Chair: **Kiyoshi Ueda**

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11:00—11:30 **Ken-ichi Ishikawa**  
(30 min) Attosecond and Femtosecond Photoionization Dynamics of He  
11:30—12:00 **Zengxiu Zhao**  
(30 min) Synchronizing Terahertz Waves with Attosecond Bursts  
12:00—13:30 Lunch

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## Oral Session

 Chair: **Maria Novella Piancastelli**

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13:30—13:50 **Li Fang**  
(20 min) Molecular Dynamics Induced by Intense X-FEL Pulses  
14:10—14:30 **Nora Berrah**  
(20 min) X-ray FEL Induced Ionization and Fragmentation Dynamics of C<sub>60</sub> Molecules  
13:50—14:10 **Yuhai Jiang**  
(20 min) “Molecular movie” Shot with the XUV FEL Pulses  
14:30—14:50 **Shaobo Fang**  
(20 min) Multi-mJ Parametric Synthesizer Generating Two-Octave-Wide Optical Waveforms for Strong-Field Experiments  
14:50—15:20 Coffee break and taking Photo  
15:20—17:00 Poster session  
17:00—21:30 City sightseeing

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Sunday, July 21, 2013

(Grand Metropark Hotel)

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| <b>Plenary Session</b>  | Chair: <b>Marc Simon</b>                                |
| 08:30—09:20<br>(50 min) | <b>Makina Yabashi</b><br>Status and Challenges of SACLA |

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| <b>Oral Session</b>     | Chair: <b>Marc Simon</b>   |
| 09:20—09:50<br>(30 min) | <b>Zhentang Zhao</b><br>Development of Short Wave Free Electron Lasers in China                                  |
| 09:50—10:10<br>(20 min) | <b>Carlo Callegari</b><br>Atomic, Molecular, and Cluster Science with the SeedeFree Electron Laser FERMI@ELETTRA |
| 10:10—10:40             | Coffee break   |

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| <b>Oral Session</b>     | Chair: <b>John Costello</b>   |
| 10:40—11:10<br>(30 min) | <b>Nina Rohringer</b><br>Stimulated Electronic Raman Scattering at X-ray Free-electron Laser Sources                        |
| 11:10—11:40<br>(30 min) | <b>Hiroshi Iwayama</b><br>Collective Spontaneous Emission of He Gas Irradiated by Intens EUV-FEL Pulses                     |
| 11:40—12:00<br>(20 min) | <b>Leonie Flueckiger</b><br>Time-Resolved Nanoplasma Dynamics in Single Xenon Clusters Driven by Intense NIR and XUV Pulses |
| 12:00—13:30             | Lunch and Business meeting (IAB members)  |

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| <b>Oral Session</b>     | Chair: <b>Matjaz Zitnik</b>   |
| 13:30—14:10<br>(40 min) | <b>Tommaso Mazza</b><br>Direct and Sequential Multi-Photon Ionization of Atoms and Clusters in the VUV                  |
| 14:10—14:40<br>(30 min) | <b>John Bozek</b><br>News from the LCLS - new Capabilities and Planned Enhancements                                     |
| 14:40—15:00<br>(20 min) | <b>Xiangdong Li</b><br>The Impact of Dense Plasma Environments on the 1s <sub>31</sub> Fine Structure Levels of He-Like |
| 15:00—15:20             | Coffee break  |

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| <b>Oral Session</b>     | Chair: <b>Anatoli Kheifets</b>  |
| 15:20—15:50<br>(30 min) | <b>Arvinder Sandhu</b><br>Attosecond XUV Spectroscopy Near Conical Intersections:<br>Coherent Electron Hole Beating in a Triatomic Molecule |
| 15:50—16:30<br>(40 min) | <b>Thomas Pfeifer</b><br>Fundamental Atomic and Molecular Quantum Dynamics in<br>the Time Domain  |
| 16:30—16:50<br>(20 min) | <b>Di Zhao</b><br>Theoretical Investigation of the Transient Absorption Spectra<br>of Helium Atom   |
| 16:50—17:10<br>(20 min) | <b>Robert Sang</b><br>The Interaction of Metastable Neon and Few Cycle Light<br>Pulses  |
| 18:30—21:30             | Banquet   |

Monday, July 22, 2013 (Grand Metropark Hotel)

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| <b>Plenary Session</b>  | Chair: <b>Michael Meyer</b>  |
| 08:30—09:20<br>(50 min) | <b>Artem Rudenko</b><br>Atomic and Molecular Physics with Free-Electron Lasers:<br>Multiphoton Processes and Time-Resolved Imaging                       |
| <b>Oral Session</b>     | Chair: <b>Michael Meyer</b>  |
| 09:20—09:50<br>(30 min) | <b>Raimund Feifel</b><br>Covariance Mapping of Multiply-Ionized Atoms and<br>Molecules Exposed to Strong X-radiation Field                               |
| 09:50—10:20<br>(30 min) | <b>Edwin Kukk</b><br>Electronic Decay and Fragmentation Dynamics of Iodo-<br>methane, Multiply Core-ionized by Photoabsorption of<br>Intense XFEL Pulses |
| 10:20—10:40             | Coffee break   |
| <b>Oral Session</b>     | Chair: <b>Mats Larsson</b>   |
| 10:40—11:10<br>(30 min) | <b>Daniel Rolles</b><br>Ultra-Efficient Multi-Photon Ionization of Atoms and<br>Molecules by Intense X-Ray Free-Electron Laser Pulses                    |
| 11:10—11:40<br>(30 min) | <b>Giuseppe Sansone</b><br>Nonlinear Processes in the Extreme Ultraviolet Region<br>Using the FEL FERMI@ELETTRA  |
| 11:40—11:50<br>(10 min) | Concluding remarks ( <b>Peter Lambropoulos</b> )   |
| 12:00—13:00             | Lunch  |
| 13:00—21:00             | Tour   |

