

## WORKING AGENDA – THREE-WAY MEETING

### OPENING RECEPTION

| <b>Wednesday July 31, 2013</b> |  |
|--------------------------------|--|
| <b>APS Gallery</b>             |  |
| 18:00                          | Welcome Reception (by invitation only) |
| 19:30                          | No-host Dinner                         |

### OPENING PLENARY SESSION

| <b>Thursday August 1, 2013</b>  |  |   |
|---|--|---|
| <b>APS Auditorium</b>   |  |   |
| <b>Facility Directors' reports, facility upgrades, and future plans</b> |  |   |
| 8:00  | Registration Opens, Continental Breakfast in APS Gallery                   |   |
| 8:30  | Welcome  | Brian Stephenson, APS Director                                  |
| 8:35  | Session Chair  | Rod Gerig   |
| 8:40  | Director's Report  | Francesco Sette, Director General (ESRF)                        |
| 9:10  | Director's Report  | Tetsuya Ishikawa, Director of RIKEN Harima Institute (SPring-8) |
| 9:40  | Director's Report  | Brian Stephenson, Director (APS)                                |
| 10:10   | Director's Report  | Edgar Weckert, Director, Photon Sciences (DESY)                 |
| 10:40   | Coffee Break, <b>Hosted by MEWASA North America, Inc.</b> ,<br>APS Gallery |   |
| <b>Facility upgrades and future plans</b>                               |  |   |
| 11:00   | Welcome by Chair   | Denny Mills   |
| 11:05   | ESRF   | Harald Reichert   |
| 11:25   | PETRA-III  | Wolfgang Drube  |
| 11:50   | APS  | George Srajer   |
| 12:15   | SPring-8   | Hitoshi Tanaka  |
| 12:40   | Lunch, APS Gallery   |   |

| <b>Parallel Session A - Thursday August 1, 2013<br/>APS Bldg. 401, A1100</b> |   |                    |
|--|---|--------------------|
| <b>Accelerators and Sources</b>  |   |                    |
| 13:45  | Welcome by Chair  | Alexander Kling    |
| 13:45  | APS Superconducting Undulator   | Yury Ivanyushenkov |
| 14:05  | Possible Ultra-low-emittance Lattice for the APS                                      | Michael Borland    |
| 14:25  | ESRF Phase 2 Upgrade Progress Report  | Pantaleo Raimondi  |
| 14:45  | Lower Emittance Optics and Storage Ring Beam Performance                              | Kouichi Soutome    |
| 15:05  | Coffee Break, APS Gallery   |                    |
|  | Session Chair   | Louis Emery        |
| 15:30  | Magnets for Ultra-small Emittance at the ESRF   | Joel Chavanne      |
| 15:50  | Development of Cryogenic Permanent Magnet Undulator at SPring-8                       | Teruhiko Bizen     |
| 16:10  | Observation of Collective Effects during Positron and Electron Operation at PETRA-III | Rainer Wanzenberg  |
| 16:30  | Undulators at PETRA-III: Experience and Perspectives                                  | Markus Tischer     |
| 16:50  | Closing   |                    |

| <b>Parallel Session B - Thursday August 1, 2013<br/>APS Bldg. 402, E1100-1200</b> |   |                    |
|---|---|--------------------|
| <b>Automation and control, data handling and management</b>                       |   |                    |
| 13:45   | Welcome by Chair                                    | Bauke Dijkstra     |
| 13:45   | Data Management and Automation at the APS           | Nicholas Schwarz   |
| 14:05   | Automation on MX Beamlines at the ESRF              | Daniele De Sanctis |
| 14:25   | Automation of GM/CA MX Beamlines at the APS         | Mark Hilgart       |
| 14:45   | SPring-8 Experimental Data Repository               | Toru Ohata         |
| 15:05   | Coffee Break, APS Gallery                           |                    |
|   | Session Chair                                       | Toru Ohata         |
| 15:30   | Data Acquisition with Imaging Detectors at the ESRF | Alejandro Homs     |
| 15:50   | Experiment Control at PETRA-III                     | Thorsten Kracht    |
| 16:10   | Data Management and Data Processing at PETRA-III    | Andre Rothkirch    |
| 16:30   | OPEN  |                    |
| 16:50   | Closing   |                    |

| <b>Banquet at the Art Institute of Chicago - Thursday August 1, 2013</b> |  |
|--|--|
| 17:00  | Buses Depart for Chicago (APS Main Entrance)                         |
| 18:00  | Reception, Guided "Highlights Tour" of the Art Institute and Banquet |
| 22:00  | Buses Depart for APS   |

| <b>Parallel Session C - Friday August 2, 2013<br/>APS Bldg. 401, A1100</b> |   |                   |
|--|---|-------------------|
| <b>Advanced Beamline Design</b>  |   |                   |
| 8:30   | Continental Breakfast in APS Gallery  |                   |
| 9:00   | Welcome by Chair  | Edgar Weckert     |
| 9:00   | Optical Design of the Picosecond Beamlines for the APS Upgrade  | Rubin Reininger   |
| 9:20   | Generic Solutions for ESRF Beamlines  | Raymond Barrett   |
| 9:40   | The New Resonant Inelastic X-ray Scattering (RIXS) Beamline at the APS                                | Thomas Gog        |
| 10:00  | K-B optics development at SPring-8: Spectroscopic analysis and protein crystallography beamlines      | Hirokatsu Yumoto  |
| 10:20  | Coffee Break, APS Gallery   |                   |
|  | Session Chair   | Dean Haeffner     |
| 10:50  | Scanning Hard X-ray Microscopy at Beamline P06  | Gerald Falkenberg |
| 11:10  | Design of the Upgrade Beamline UPBL6: Inelastic X-ray Scattering                                      | Keith Martel      |
| 11:30  | Commissioning of a High-flux Beamline for Non-resonant Inelastic X-ray Scattering                     | Alfred Baron      |
| 11:50  | Beamline P11 at PETRA III: A Versatile Instrument for Structural Investigations of Biological Samples | Alke Meents       |
| 12:10  | Lunch, APS Gallery  |                   |

| <b>Parallel Session D - Friday August 2, 2013<br/>APS Bldg. 402, E1100-1200</b> |   |                  |
|---|---|------------------|
| <b>Industrial Outreach</b>  |   |                  |
| 8:30  | Continental Breakfast in APS Gallery  |                  |
| 9:00  | Welcome by Chair  | Akihiko Fujiwara |
| 9:00  | Use of X-ray Scattering to Elucidate Industrial Problems in the Energy, Polymer, and Medical Fields | Randy Winans     |
| 9:20  | ESRF Open for Business: Status, Challenges, and Opportunities                                       | Ed Mitchell      |
| 9:40  | Industry Today at the APS   | Jyotsana Lal     |
| 10:00   | Industrial Outreach at PETRA-III  | Hermann Franz    |
| 10:20   | Coffee Break, APS Gallery   |                  |
|   | Session Chair   | Ed Mitchell      |
| 10:50   | Shaping the Future of the SR Applications by the Industry-Academia Alliance                         | Masaki Takata    |
| 11:10   | ESRF Techniques to Solve Industrial Problems  | Tamzin Lafford   |
| 11:30   | <i>OPEN</i>   |                  |
| 11:50   | Discussion led by Jyotsana Lal  |                  |
| 12:10   | Lunch, APS Gallery  |                  |

## WORKING AGENDA – THREE-WAY MEETING

### CLOSING PLENARY SESSION

| <b>Friday August 2, 2013<br/>APS Auditorium</b> |   |   |
|---|---|---|
| <b>Plenary Session – wrap up</b>                |   |   |
| 13:20   | Opening Remarks   | Brian Stephenson,<br>APS Director   |
| 13:25   | Optics Workshop Report  | Lahsen Assoufid   |
| 13:35   | Detectors Workshop Report                                     | Nino Micelli  |
| 13:45   | User Office Workshop Report                                   | Susan Strasser  |
| 13:55   | Parallel Session A Report                                     | Louis Emery   |
| 14:05   | Parallel Session B Report                                     | Bob Fischetti   |
| 14:15   | Parallel Session C Report                                     | Dean Haeffner   |
| 14:25   | Parallel Session D Report                                     | Jyotsana Lal  |
| 14:35   | Group Picture on APS front steps<br>Coffee Break, APS Gallery |   |
| 15:15   | Facility Tour   |   |
| 16:15   | Discussion: Opportunities for<br>Collaborations               | Brian Stephenson,<br>APS Director   |
| 16:30   | Closing Remarks   | Brian Stephenson & Director of<br>next Three-way Meeting host<br>facility |
| 16:45   | Closing of the Three-Way Meeting                              |   |