DRAFT AGENDA

Day 1: Wednesday, 13 November 2013

12:30    Lunch & Networking
         OSA Headquarters, 2010 Massachusetts Ave, NW

13:30    Welcome, Goals, and General Information
         Lahsen Assoufid, Argonne National Laboratory, USA
         Sandra Biedron, Colorado State University, USA

13:45    Welcome & Update on National Photonics Institute
         Elizabeth Rogan, Chief Executive Officer, OSA, USA

14:00    Plenary Session 1 (Chair: Lahsen Assoufid)

         Tabletop Coherent High Harmonic Soft X-Rays and Applications in
         Nanoscience and Nanotechnology
         Margaret Murnane, JILA, University of Colorado, Boulder, USA

         The Use of Light for AFOSR
         Enrique Parra, AFOSR, USA

         Channeling Radiation for High-Spectral-Brilliance X-rays
         Charles Brau, Vanderbilt University

15:30    Coffee Break
16:00  **Plenary Session 2 (Chair: Uwe Arp)**
- Optimization of Cavity-Enhanced Inverse-Compton Light Sources
  *John Madey, University of Hawaii, USA*
- Industrial Applications of High Brightness Laboratory Sources
  *Wenbing Yun, Xradia, Inc.*

17:00  **Information & Goals for Day 2**

17:30  **Dinner**
  *Ezme, 2016 P Street, NW*

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**Day 2: Thursday, 14 November 2013**

8:00  **Breakfast**
  *OSA Headquarters, 2010 Massachusetts Ave, NW*

8:30  **Plenary Session 2, continued (Chair: Uwe Arp)**
- Bio-imaging Using Compact Sources
  *Hans Hertz, Royal Institute of Technology, Stockholm, Sweden*

9:00  **Plenary Session 3 (Chair: Patrick Naulleau)**
- Semiconductor Industry Needs for Compact EUV Sources
  *Michael Lercel, SEMATECH*
- DOE Workshop & Report Summary “Laser Technologies for Accelerators”
  *Jay Dawson, Lawrence Livermore National Laboratory*

10:00  **Coffee Break**

10:30  **Breakout Sessions 1**
- **Group A: EUV & Soft X-ray Sources**
  *Chair: Patrick Naulleau & Jorge Rocca*

- **Group B: Compact Hard X-ray Sources**
  *Chair: Sandra Biedron & Ingolf Lindau*

- **Group C: FEL, Inverse Compton and Other Spectrally Agile Sources**
  *Chair: Tetsuya Ishikawa & Mark Curtin*
12:00  Plenary Session 4 (Chair: Marie-Emmanuelle Couprie)
Compact X-ray FEL Source
   Tetsuya Ishikawa, Director of RIKEN Harima Institute

Tabletop XFEL with an Optical Undulator
   William Graves, Massachusetts Institute of Technology

13:00  Lunch

14:00  Plenary Session 5 (Chair: Sandra Biedron)

   Laser-powered Micro-accelerators for Compact Radiation Sources
   Joel England, SLAC National Accelerator Laboratory

   Overview of Plasma-Based EUV to Soft X-ray Lasers
   Jorge Rocca, National Science Foundation EUV Engineering
   Research Center, Colorado State University

   The Compact Light Source: a Miniature Synchrotron
   Ronald Ruth, SLAC/Stanford University

15:30  Coffee Break

16:00  Breakout Sessions 2

   Group A: EUV & Soft X-ray Sources
   Chair: Patrick Naulleau & Jorge Rocca

   Group B: Compact Hard X-ray Sources
   Chair: Sandra Biedron & Ingolf Lindau

   Group C: FEL, Inverse Compton and Other Spectrally Agile Sources
   Chair: Tetsuya Ishikawa & Mark Curtin

17:30  Summary of Day 2, Information and Goals for Day 3

18:00  Dinner
   Sette Osteria, 1666 Connecticut Avenue, NW
Day 3: Friday, 15 November 2013

8:00 Breakfast
OSA Headquarters, 2010 Massachusetts Ave, NW

8:30 Session Spokespeople Prepare Breakout Reports

9:00 Breakout Reports
  Group A Report: EUV & Soft X-ray Sources
    Spokesperson: Patrick Naulleau

  Group B Report: Compact Hard X-ray Sources
    Spokesperson: Ingolf Lindau

  Group C Report: FEL, Inverse Compton and Other Spectrally Agile Sources
    Spokesperson: Mark Curtin

10:30 Coffee Break

11:00 Panel & Discussion
  Topic: Scientific and research opportunities, technological challenges and roadmap for R&D directions
    Moderator: Steve Milton

13:00 Lunch

14:00 Summary, Conclusions & Next Steps

15:00 Adjourn