

Workshop for Industry Researchers

BNL, December 14-17, 2020

Draft agenda

Day 1: Presentations from facilities and industry researchers

(Chairs: John Hill, Charles Black, Jun Wang)

- 10:30 am Welcome/Charge of the workshop, Charles Black, BNL
- 10:40 am Synchrotron light sources and basic research at ExxonMobil, Pedro Serna, ExxonMobil
- 11:10 am Innovative Chemistry through Advanced Microscopy Techniques, Ke-Bin Low, BASF
- 11:30 am Bio-inspired invisible glass: from nature to commercialization, Calvin Cheng, Edgehog
- 11:45 am Overview of capabilities of NSLS-II and CFN, John Hill, BNL
- 12:15am Lunch break
- 1:00-5:00pm Open house
- NSLS-II X-ray diffraction/scattering
- CFN Electron microscopy

Day 2: DOE programs relevant to industry researchers Q&A

(Chair: Martin Schoonen, BNL)

- 10:30am DOE SBIR/STTR Program, Manny Oliver, SBIR/STTR Program Office, DOE
- 10:45am DOE TIR Program, Eli Levine, Advanced Manufacturing Office, DOE
- 10:55am DOE TCF Program, Zack Baize, Office of Technology Transitions, DOE
- 11:05am BNL Strategic Partnership Program, Ivar Strand, BNL
- 11:20am Q&A
- 12:15pm Lunch break
- 1:00-5pm Open house
- NSLS-II Hard and soft x-ray spectroscopy
- CFN Advanced UV and x-ray probes

Day 3: Lessons learned as industry users of BNL facilities -- panel discussion

Chair: Yan Gao (GE), Karen More (ORNL)

10:30am Carter Abney (ExxonMobil), Donald Dimarzio (Northrup Grumman), Eugene Lavelly (BAE), Stan Petrash (Henkel)

11:30am Lunch break

1:00-5:00pm Open house

NSLS-II Imaging and microscopy

CFN Advanced optical spectroscopy and microscopy

Day 4: Help desk and other DOE user facilities Q&A

Chairs: Priscilla Antunez, Lisa Miller

10:30am How to become an industrial user and access facilities – Jun Wang (EPS)

10:40am How to write a good nonproprietary industrial proposal – Lisa Miller (NSLS-II), Priscilla Antunez (CFN)

10:55am BES user facilities: one representative from each lab for the user facilities, ANL, LBL, SLAC, ORNL. Pre-recorded videos for each lab to be posted on the workshop website.

11:20am Q&A

12:15 am Lunch break

1:00-5pm Open house

NSLS-II Bio and pharmaceuticals

CFN Nanofabrication; Materials synthesis and characterization