

2017 APS/CNM Users Meeting - Schedule at a Glance


Monday, May 8th

Vendor exhibits open daily Monday through Wednesday in the Gallery (lower level), the Atrium (first floor), and behind the APS Lecture Hall. Break time snacks offered in all locations!

Opening Session (Bldg. 402, APS Lecture Hall)

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| 7:30 | Registration Open |
| 7:30 | Welcome Coffee |
| 8:30 - 8:35 | Jason Benedict (APS/USO Chair) and Yasuo Ito (CNM Users Executive Committee), Welcome and Launch of the 2017 Meeting |
| 8:35 - 8:45 | Paul K. Kearns, Interim Laboratory Director, <i>Welcome from the Laboratory</i> |
| 8:45 - 9:00 | Paul Runci (Pacific Northwest National Laboratory and Chair, Board of Directors for the Society for Science at User Research Facilities, SSURF), <i>Introducing the Society for Science at User Research Facilities</i> |
| 9:00 - 9:05 | Goran Karapetrov (Drexel University), <i>Introduction of Keynote Speaker</i> |
| 9:05 - 9:55 | Keynote Speaker: Eli Yablonovitch (University of California, Berkeley), <i>The Scientific Challenge of Replacing the Transistor with a Lower Voltage Device</i> |
| 9:55 - 10:20 | Break |
| 10:20 - 10:35 | Stephen Streiffer, APS Director, <i>APS Update</i> |
| 10:35 - 10:50 | Supratik Guha, CNM Division Director, <i>CNM Update</i> |
| 10:50 - 11:05 | Jim Kerby, APS Upgrade, <i>APS Upgrade Update</i> |
| 11:05 - 11:10 | Jason Benedict, Chair, APS Users Organization, <i>Introduction of the Speed Science Slam</i> |
| 11:10 - 12:00 | S3: Speed Science Slam |
| 12:00 - 1:30 | Lunch (Tent) (NOTE: APS Plenary begins at 1:00, CNM at 1:30) |

Parallel Plenary Sessions

| APS (Bldg. 402, APS Lecture Hall) | CNM (Bldg. 401, Rooms A1100) | Need a Coffee Break? --the Gallery on the lower level --the Atrium --behind the APS Lecture Hall | Thank you to our meeting sponsor:  Agilent Technologies | Poster Session set up will take place on Tuesday, May 9. For poster set up, shuttle buses and vans will run between 12 noon and 2:00 pm between the APS, the Guest House, and the TCS, Bldg. 240. |
|-----------------------------------|---|---|---|--|
| 1:00 - 1:35 | Peter Voorhees | | | |
| 1:35 - 2:10 | John Maio | 2:00 - 2:30 | David Fenning | |
| 2:10 - 2:45 | Hongcai Joe Zhou | 2:30 - 3:00 | Anand Bhattacharya | |
| 2:45 - 3:00 | Break | 3:00 - 3:20 | Break | |
| 3:00 - 3:25 | Invited Student: Michael Whittaker | 3:20 - 3:30 | Yasuo Ito | |
| 3:25 - 3:50 | Dean Haefner | 3:30 - 4:00 | Diana Berman | |
| 3:50 - 4:25 | Tom O'Halloran | 4:00 - 4:30 | Yuan Zhang | |
| 4:25 - 5:10 | Keynote: Elizabeth Rampe | 4:30 - 4:45 | Invited Student: Lin Chen | |
| 6:15 - 9:00 | Social Event: Banquet at Meson Sabika, (buses depart promptly at 5:30 pm from the front of APS and the AGH--bring your gate pass, ID, and banquet ticket with you!) | | | |

Tuesday, May 9th

| 7:30 | Welcome Coffee | | | | | | | | |
|--|---|---|--|--|-------------------------|---------------|--------------------|---------------|-------------------------|
| 8:00 | Registration Open | | | | | | | | |
| 12:00 - 1:30 | Joint Meeting APS User Organization Steering Committee and Partner User Council (Bldg. 401, A5000 Gallery) | | | | | | | | |
| 5:30 - 8:00 | Poster Session and Reception (Bldg. 240 TCS--bus transportation provided between APS, Guest House, and TCS) | | | | | | | | |
| APS WK 1: High-energy Resolution Inelastic X-ray Scattering Workshop (Bldg. 402, Rm. E1100/1200) | APS WK2: Even Small Wavelengths, When Bright Enough, Have Big Data Problems (Bldg. 401, Rm. A5000) | CNM WK3: Transient Spectroscopy and Non-equilibrium Dynamics of 2D Materials (Bldg. 401, A1100) | CNM WK4: Machine Learning and Data Science in Materials Modeling, Imaging and Applications (APCF Auditorium) | Symposium: Structure-Based Drug Discovery: The Next 25 Years (Bldg. 402, Lecture Hall) | | | | | |
| 8:30 - 8:35 | Stephen Streiffer, Welcome | 8:30 - 8:40 | Reeju Pokharel | 8:30 - 8:40 | S. KRS Sankaranarayanan | 8:30 - 8:40 | Lisa Keefe | | |
| 8:35 - 8:40 | Ahmet Alatas | 8:40 - 9:30 | Charles A. Bouman | 8:45 - 9:25 | Richard Schaller | 8:40 - 9:20 | Aidan Thompson | 8:40 - 8:50 | Vincent Stoll |
| 8:40 - 8:50 | Michael Hu | 9:30 - 10:20 | Edwin Fohtung | 9:25 - 10:05 | Aaron Lindenberg | 9:20 - 10:00 | Andrew Ferguson | 8:50 - 9:05 | Suresh Sunderrajan |
| 8:50 - 9:25 | Frank Weber | 10:20 - 10:40 | Break/Workshop Photo | 10:05 - 10:35 | Break | 10:00 - 10:20 | Break | 9:05 - 9:15 | Stephen Streiffer |
| 9:25 - 10:00 | Sofia Michaela Souliou | 10:40 - 11:30 | Kevin Yager | 10:35 - 11:15 | Xiaodong Xu | 10:20 - 11:00 | Charles A. Bouman | 9:15 - 10:00 | Keynote: Vadim Cherezov |
| 10:00 - 10:20 | Break/Workshop Picture | 11:30 - 12:20 | Shiu Fai Frankie Li | 11:15 - 11:55 | Ken Kuno | 11:00 - 11:40 | Youssef Nashed | 10:00 - 10:15 | Break |
| 10:20 - 10:55 | Oliver Delaire | 12:20 - 1:30 | Lunch (Tent) | 12:00 - 1:30 | Lunch (Tent) | 11:40 - 1:00 | Lunch (Tent) | 10:15 - 11:00 | Keynote: Clint Potter |
| 10:55 - 11:30 | Felix Flicker | 1:30 - 2:20 | Stephen R. Niezgoda | 1:30 - 2:10 | Xiaoyang Zhu | 1:00 - 1:40 | Aggelos Katsagelos | 11:00 - 11:30 | Stephen Soisson |
| 11:30 - 12:05 | Dipanshu Bansal | 2:20 - 3:00 | Hemant Sharma | 2:10 - 2:50 | Tong Zhu | 1:40 - 2:20 | Rafael Jaramillo | 11:30 - 12:00 | Vincent Stoll |
| 12:05 - 1:30 | Lunch (Tent) | 3:00 - 3:20 | Break | 2:50 - 3:20 | Break | 2:20 - 2:40 | Break | 12:00 - 1:15 | Lunch (Tent) |
| 1:30 - 2:05 | Mathieu Roskosz | 3:20 - 4:10 | Jan Ilavsky and Peter Jemian | 3:20 - 4:00 | Elaine Li | 2:40 - 3:20 | James Rondinelli | 1:15 - 1:45 | Steven Sheriff |
| 2:05 - 2:40 | Daniel Perez Lozano | 4:10 - 4:50 | Sven C. Vogel | 4:00 - 4:40 | Michael Man | 3:20 - 4:00 | Turab Lookman | 1:45 - 2:15 | Richard Alexander |
| 2:40 - 3:15 | Jennifer Jackson | 4:50 - 5:00 | Turab Lookman | 4:40 - 5:00 | Closing Remarks | 4:00 - 4:30 | Closing Remarks | 2:15 - 2:45 | Matt Calabrese |
| 3:15 - 3:35 | Break | | | | | | | 2:45 - 3:00 | Break |
| 3:35 - 4:10 | Jason Hancock | | | | | | | 3:00 - 3:30 | Sarah L. Perry |
| 4:10 - 4:45 | Dmitry Reznik | | | | | | | 3:30 - 4:00 | Artem Evdokimov |
| 4:45 - 5:20 | Riccardo Comin | | | | | | | 4:00 - 4:30 | Clemens Schulze-Briese |
| 5:20 - 5:30 | Ercan Alp | | | | | | | 4:30 - 5:00 | Srinivas Chakravarthy |
| | | | | | | | | 5:00 - 5:05 | Concluding Remarks |

Wednesday, May 10th

| 7:30 | Welcome Coffee | | | | | | | | |
|--|--|---|---|---|------------------------|---------------|--------------------|---------------|------------------|
| 8:00 | Registration Open (until 1:30 pm) | | | | | | | | |
| 12:00 - 1:30 | CNM Users Executive Committee Meeting (Bldg. 440, Room A105/106) | | | | | | | | |
| CNM WK5: Materials with Unique Nano-architectures: Fabrication, Theory, and Characterization (Bldg. 440, Rm. A105/106) | APS/CNM WK6: Nanodiffraction in Materials, Chemistry, and Physics: Scientific Opportunities (Bldg. 401, Rm. A5000) | APS WK7: High-resolution Fluorescence Detection: Advanced X-ray Emission and Absorption Spectroscopy Studies Towards an Upgraded APS (APS-U) (Bldg. 401, Rm. A1100) | APS WK9: X-ray Characterization of Materials Evolution: The State-of-the-Art (Bldg. 402, Rm. E1100/E1200) | APS/CNM WK10: Multimodal, Operando Imaging Materials, Devices, and Architectures for Neuromorphic Computing (APCF Auditorium) | | | | | |
| 9:15 - 9:30 | Opening Remarks | 8:30 - 8:45 | Zhonghou Cai | 8:30 - 8:35 | Ashwin Shahani | 8:45 - 9:00 | Supratik Guha | | |
| 9:30 - 10:00 | Joselle McCracken | 8:45 - 9:20 | Felix Hofmann | 8:35 - 9:10 | Tao Sun | 9:00 - 9:30 | Joshua Yang | | |
| 10:00 - 10:30 | HongYou Fan | 9:20 - 9:55 | Lincoln Lauhon | 9:10 - 9:45 | Lianyi Chen | 9:30 - 10:00 | Wei Lu | | |
| 10:30 - 10:45 | Break | 9:55 - 10:10 | Break | 9:45 - 10:20 | Robert Suter | 10:00 - 10:30 | John Paul Strachan | | |
| 10:45 - 11:15 | Sanket Deshmukh | 10:10 - 10:45 | Joseph Heremans | 10:20 - 10:50 | Break/Workshop Picture | 10:30 - 11:00 | Break | | |
| 11:15 - 11:45 | Chengde Mao | 10:45 - 11:20 | Vincent Jacques | 9:15 - 9:40 | Nikhilesh Chawla | 11:00 - 11:30 | Charudatta Phatak | | |
| 12:00 - 1:30 | Lunch (Tent) | 11:20 - 12:00 | Panel Discussion | 9:40 - 10:05 | Yulia Pushkar | 11:25 - 12:00 | Peter Voorhees | 11:30 - 12:00 | Bilge Yildiz |
| 1:30 - 2:00 | Yongfeng Mei | 12:00 - 1:30 | Lunch (Tent) | 10:05 - 10:30 | Break | 12:00 - 1:00 | Lunch (Tent) | 1:30 - 2:00 | Junjing Deng |
| 2:00 - 2:30 | David H. Gracias | 1:30 - 2:05 | Ian Robinson | 10:30 - 11:00 | Kenneth Finkelstein | 1:00 - 1:35 | Amy Clarke | 2:00 - 2:30 | Jerry Ziwen Wang |
| 2:30 - 2:45 | Break | 2:05 - 2:40 | Virginie Chamard | 11:00 - 11:30 | Niranjan Govind | 1:35 - 2:10 | Ashwin Shahani | 2:30 - 3:00 | Break |
| 2:45 - 3:15 | Byeongdu lee | 2:40 - 3:00 | Break | 11:30 - 11:55 | Antonio Miceli | 2:10 - 2:45 | Michael Dudley | 3:00 - 3:15 | Break |
| 3:15 - 3:45 | Arthi Jayaraman | 3:00 - 3:35 | Haidan Wen | 11:55 - 12:00 | Closing Remarks | 3:15 - 3:50 | Zonghai Chen | 3:15 - 3:45 | Dillon Fong |
| 3:45 - 4:00 | Closing Remarks | 3:35 - 4:10 | Anastasios Pateras | | | 4:25 - 5:00 | Feng Lin | 3:45 - 4:15 | Young-Sang Yu |
| 4:00 | Tour of CNM and APS | 4:10 - 4:40 | Panel Discussion | | | 5:00 - 5:15 | Xianghui Xiao | 4:15 - 4:45 | David Guzman |
| | | 4:40 - 4:55 | Zhonghou Cai | | | | | 4:45 - 5:00 | Closing Remarks |

Thursday, May 11th

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| CNM Short Courses (pre-registration required) | |
| Short Course A | Bldg. 440, B108 (morning) |
| Short Course B | Bldg. 440, A105/106 (morning) |
| Short Course C | Sector 26 Control Room (morning) |
| Satellite Course: SAXS Software Packages Irena and Nika | |
| 9:00 - 4:30 | Building 401, A5000 |
| 1:00 - 1:15 | Dominika Borek |
| 1:15 - 1:45 | Kristopher White |
| 1:45 - 2:15 | Ana Gonzalez |
| 2:15 - 2:45 | Byzsek Otwinowski |
| 2:45 - 3:15 | Break |
| 3:15 - 3:45 | David Akey |
| 3:45 - 4:15 | Diana Tomchick |
| 4:15 - 4:45 | Wladek Minor |
| 4:45 - 5:00 | Karolina Michalska |
| Friday, May 12th | |
| Satellite Course: SAXS Software Packages Irena and Nika | |
| 9:00 - 4:30 | Building 401, A5000 |