

**Preliminary agenda for Pittsburgh Diffraction Conference
hosted at the Advanced Photon Source (APS)**



Time	Lower Gallery Bldg 402	E1100/E1200 Bldg 402
Sun, Oct 2, 1 pm	Registration	
Sun, Oct 2, 2 pm	Opening / welcome	
Sun, Oct 2, 2:30 pm	"Welcome to APS" Laurent Chapon, Director of APS	
Sun, Oct 2, 3:30 pm	Break	
Sun, Oct 2, 4 pm	Session 1A Upgrade plans for biology / MX beamlines Chair: Zhongmin Jin	Session 1B Upgrade plans for diffraction beamlines for chemistry and material science" Chair: Angus Wilkinson
Sun, Oct 2, 4:00 pm	Robert Fischetti (ANL)	Peter Kenesei (ANL)
Sun, Oct 2, 4:25 pm	John Chrzas (ANL)	Uta Ruett (ANL)
Sun, Oct 2, 4:50 pm	"Bio-SAXS" TBC	Yu-Sheng Chen (UoC)
Sun, Oct 2, 5:15 pm	"eBERlight" TBC (ANL)	Zulu Maddury Somayazulu (ANL)
Sun, Oct 2, 5:40 pm	Poster Session / Vendors / Reception	
Sun, Oct 2, 7 pm	End of 1 st Day	
Mon, Oct 3, 8:30 am	Session 2 A "CryoEM microcrystal diffraction: a new tool for the structural biologist" Chair: Brent Nannenga	Session 2B, "New opportunities: coherent x-ray beam" Chair: Stephan Hruszkewycz
Mon, Oct 3, 8:30 am	Tamir Gonen (UCLA)	Yanwen Sun (SLAC)
Mon, Oct 3, 8:55 am		Dina Sheyfer (ANL)
Mon, Oct 3, 9:20 am	Emma Danelius (UCLA)	Ross Harder (ANL)
Mon, Oct 3, 9:45 am	Brent Nannenga (ASU)	TBC

Mon, Oct 3, 10:10 am	Collaboration break / Vendors	
Mon, Oct 3, 10:30 am	Session 3A “AI and crystallography” Chair: James Holton (TBC)	Session 3B “Automation and autonomous experiments” Chair: Kevin Stone
Mon, Oct 3, 10:30 am	TBA	Daniel Olds (BNL)
Mon, Oct 3, 10:55 am	TBA	Suchismita Sarker (CHESS)
Mon, Oct 3, 11:20 am	TBA	Chris Tassone (SLAC)
Mon, Oct 3, 11:45 pm	TBA	
Mon, Oct 3, 12:10 pm	Lunch / APS tour / Vendors / Poster	
Mon, Oct 3, 1:30 pm	Session 4 Room Temperature Crystallography Chair: Aina Cohen	Session 4B “PDF in bulk and thin films” Chair: Olaf Borkiewicz
Mon, Oct 3, 1:30 pm	Simone Brixius-Anderko (Pitt)	Karena Chapman (SBU)
Mon, Oct 3, 1:55 pm	Marcus Fischer (StJude)	Yaohua Liu (ORNL)
Mon, Oct 3, 2:20 pm	Silvia Russi (SLAC)	Ann-Christin Dippel (DESY)
Mon, Oct 3, 2:55 pm		Marc Michel (VT)
Mon, Oct 3, 3:10 pm	Collaboration break / Vendors	
Mon, Oct 3, 3:30 pm	Session 5 Time-Resolved Structural Biology at the XFEL and Synchrotron Chair: Aina Cohen	Session 5B “Synergies TEM, X-rays, Neutrons” Chair: Cora Lind-Kovacs
Mon, Oct 3, 3:30 pm	Douke Heskra (Harvard)	Efrain Rodriguez (UMD)
Mon, Oct 3, 3:55 pm	Mark Wilson (UNL)	Nestor Zaluzec (ANL)
Mon, Oct 3, 4:20 pm	Guillermo Calero (Pitt)	Keith Taddei (ORNL)
Mon, Oct 3, 4:45 pm	TBC	Ashfia Huq (SNL)
Mon, Oct 3, 5:10 pm	Poster / Vendor	
Mon, Oct 3, 6:30 pm	Banquet and Sidhu Award Presentation	
Mon, Oct 3, 10 pm	End of 2 nd Day	

Tue, Oct 4, 8:30 am	Session 5 A “The role of the APS in understanding Covid structure-function” Chair: Bob Fischetti	Session 6B “In situ and operando structural science for clean energy” Chair: Andrey Yakovenko
Tue, Oct 4, 8:30 am	Andrzej Joachimiak (ANL)	Julia Oktawiec (NU)
Tue, Oct 4, 8:55 am	Meng Juan (TRSI)	Stephan Rosenkranz (ANL)
Tue, Oct 4, 9:20 am	TBC	Tom Runcevski (SMU)
Tue, Oct 4, 9:45 am	Karen Anderson (Yale) TBC	Tim Fister (ANL)

Tue, Oct 4, 10:10 am	Collaboration break / Vendors
Tue, Oct 4, 10:30 am	Awards and Business Meeting Poster awards Next conference
Tue, Oct 4, 11:30 am	Lunch / ALCF Tour/ Vendor/ Poster
Tue, Oct 4, 1:30 pm	Outlook into the Future Speaker TBD
Tue, Oct 4, 3:00 pm	End of Conference

School on XPD and PDF Analysis on Wednesday, October 5

8:30 – 9:30 am	Introductory Talks	
9:30 – 12:00 pm	Hands on Training XPD	Hands on Training PDF
12:00 pm – 1:00 pm	Lunch Break	
1:00 pm – 3:00 pm	Hands on Training XRD	Hands on Training PDF