

APSUO Update: Users' Week

<http://www.aps.anl.gov/Users/Meeting/2007>

Organizing committee APSUO:

Millie Firestone
Thomas Gog
Tim Graber
Larry Lurio
Simon Mochrie
Anne Mulichak
David Reis

Participating Facilities

Advanced Photon Source
Center for Nanoscale Materials
Electron Microscopy Center
Intense Pulsed Neutron Source

Facilities:

Tom Koetzle (IPNS)
Dean Miller (EMC)
Kathleen Carrado Gregar (CNM)

<http://www.aps.anl.gov/Users/Meeting/2007>



Users Week 2007
May 7-12, 2007

Home Program Registration & Abstracts Workshops Exhibitors Practical Matters Awards Updates

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USERS WEEK 2007

May 7 - 12, 2007

- Advanced Photon Source
- Center for Nanoscale Materials
- Electron Microscopy Center
- Intense Pulsed Neutron Source

January Invitation to exhibitors (to be included in mailing, please write to vendor@aps.anl.gov)

February Registration opens

April 2 Poster abstracts due

April 10 Registration deadline for non-U.S. citizens without access badge

April 22 Housing reservation deadline to obtain meeting rate

April 30 Registration for all others (without late fee)

Meeting Highlights

Joint Workshops	Nanoscience Workshops	CNM Short Courses	Other Highlights
<ul style="list-style-type: none">• Coherent X-ray Microscopy• Drug Discovery at the APS	<ul style="list-style-type: none">• Hard X-ray Nanoprobe• Nanoelectronics• Synthesis and Self-assembly of	<ul style="list-style-type: none">• Electron Beam Lithography• Focused Ion Beams for Nanofabrication	<ul style="list-style-type: none">• Plenary science sessions for APS, EMC, IPNS• Exhibitor

Advanced Photon Source Users Organization



Workshops to cover topics relevant to APS ERL upgrade

ERL Properties

- Highly coherent beams for x-ray imaging
- Short-pulse capability for time resolved studies
- Diffraction-limited focusing yielding nanometer-sized beams for local structure analysis.

2007 Users Meeting

for DOE/BES User Facilities

Monday, May 7

Plenary Session

Exhibit Hours: 8:00 am-5:00 pm
Bldg. 401, Atrium

Opening Session

8:30– 8:35

Welcome

Gene Ice, Chair, APS Users Organization

8:35 – 8:40

Welcome

Robert Rosner, Director, Argonne National Laboratory

8:40 – 9:10

DOE Perspective

Pedro Montano Invited, Department of Energy

9:10 – 9:40

View from Washington

Judy Biggert Invited, US House of Representatives

9:40 – 10:10

APS Facilities Update

J. Murray Gibson, Director, Advanced Photon Source

10:10 – 10:30

Refreshments

Atrium

10:30 – 11:00

CNM Facilities Update

Eric D. Isaacs, Director, Center for Nanoscale Materials

11:00 - 11:30

EMC Facilities Update

Dean Miller, Director, Electron Microscopy Center

11:30 - 12:00

IPNS Facilities Update

Ray Teller, Director, Intense Pulsed Neutron Source

12:00 - 1:30

Lunch

Tent

Advanced Photon Source Users Organization



Joint Science Session and Compton Award Talk

1:30 – 2:10	Compton Award Presentation and Talk
2:10 – 2:40	CNM Science Talk
2:40 – 3:10	EMC Science Talk
3:10 – 3:30	Refreshments Atrium
3:30 – 4:00	IPNS Science Talk
4:00 – 5:00	Student Poster Talks
5:00-5:10	Announcement of the APSUO Election Results
5:10	Adjourn

Vendor Reception and Exhibition

Tuesday, May 8

Science Sessions

Exhibit Hours: 8:00 am-5:00 pm

Bldg. 401, Atrium

- | | |
|--------------|---|
| 9:00 – 12:00 | APS Facility Upgrade
Scientific Possibilities |
| 9:00 – 12:00 | Electron Microscopy Center
Science Session |
| 12:00 – 1:30 | Lunch
Bldg. 402, Lower Level, Tent |
| 1:30 – 4:30 | Intermediate energy science at the Advanced
Photon Source (Workshop)
Peter Abbamonte, Juan-Carlos Campuzano |
| 1:30 – 4:30 | Electron Microscopy Center
Hands-on Workshop |
| 1:30 – 4:30 | Intense Pulsed Neutron Source
Science Session |
| 4:30 – 7:00 | Poster Session, Advanced Photon Source, Intense Pulsed Neutron
Source and Electron Microscopy Center |

Wednesday, May 9

Workshops

Exhibit Hours: 8:00 am-5:00 pm
Bldg. 401, Atrium

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|-------------|--|
| 9:00 – 4:00 | Coherent X-ray Microscopy
Ian McNulty, Qun Shen |
| 9:00 – 4:00 | Frontiers of structure analysis using powders
Angus Wilkinson, Ashfia Huq |
| 9:00 – 4:00 | Time-Resolved Studies
David Reis, James Martin |
| 9:00 – 4:00 | Kinetics and Dynamics in Soft Condensed Matter
Alec Sandy , Larry Lurio, Jin Wang, and Simon Mochrie |
| 9:00 – 4:00 | Drug Discovery at the APS
Steve Soisson |

Facility Tours

- | | |
|-------------|---|
| 4:15 – 6:00 | Advanced Photon Source Tour |
| 4:15 – 6:00 | Electron Microscopy Center Tour |
| 4:15 – 6:00 | Intense Pulsed Neutron Source Tour |

Banquet

- | | |
|----------|--|
| 7:00 – ? | User Banquet/Student Poster Prize Award
Location TBD |
|----------|--|

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Featured Image:

This photograph of the Gemini 7 spacecraft was taken from the hatch window of the Gemini 6 spacecraft on December 15, 1965.

The Gemini Program is featured in Adler's new permanent exhibit:

A Journey With Jim Lovell

© 2001-2006 Adler Planetarium & Astronomy Museum
1300 S. Lake Shore Drive, Chicago, Illinois 60605-2403, 312-922-STAR

Thursday, May 10

Workshops

Exhibit Hours: 8:00 am-5:00 pm
Bldg. 401, Atrium

9:00-12:00	Hard X-ray Nanoprobe Jorg Maser, Brian Stephenson, Stephen Streiffer
9:00-12:00	X-ray Nanotomography Derrick Mancini
9:00-12:00	In Situ Studies of Interfacial Reactivity Dillon D. Fong, Hoydoo You
9:00-12:00	Synthesis and Self-assembly of Nanomaterials Xiao-Min Lin, Moonsub Shim
9:00-12:00	NanoElectronics Mark Eriksson
12:00-1:30	Lunch Bldg. 402, Lower Level, Tent
1:30-4:00	Hard X-ray Nanoprobe and Nanotomography Jorg Maser, Derrick Mancini, Mark Rivers, TBD (EMC)
1:30-4:00	In Situ Studies of Interfacial Reactivity (Part 2) Dillon D. Fong, Hoydoo You
1:30-4:00	Synthesis and Self-assembly of Nanomaterials (Part 2) Xiao-Min Lin, Moonsub Shim
1:30-4:00	NanoElectronics (Part 2) Mark Eriksson

4:30 – 6:30 **Poster Session & Reception,
CNM facility tour**

6:45 **CNM Dinner**

Friday, May 11

CNM Plenary Session

Exhibit Hours: 8:00 am-5:00 pm

Bldg. 401, Atrium

8:30 – 8:35	Welcome Paul Evans, Chair, CNM Users Executive Committee
8:35 – 8:45	Welcome from Argonne's Director <i>to be confirmed</i>
8:45 – 9:15	View from the Hill TBD
9:15 – 9:45	DOE Perspective on Nanoscience Dr. Altaf H. Carim, Program Manager, Scientific User Facilities Division, BES DOE
9:45 – 10:30	Center for Nanoscale Materials Update Eric D. Isaacs
11:00 – 11:30	Nanomaterials and Grand Challenges in Energy
11:30 – 12:00	Nanomaterials and Grand Challenges in Medicine
12:00 – 1:30	Lunch
1:30 – 5:00	Plenary talks
5:00 – 5:10	Announcement of new CNM UEC members Paul Evans
5:10	Adjourn

Saturday, May 12
CNM Short Courses

Short Courses

- 9:00 – 5:00 **Electron Beam Lithography**
User training for Raith 150, JEOL 9300
- 9:00 – 5:00 **Nanoimprint Lithography**
Nanonex
- 9:00 – 5:00 **Focused Ion Beams for Nanofabrication**
FEI Company