



DOE / Basic Energy Sciences Review
Condensed Matter Physics and Materials Chemistry
Bldg. 223, Conference Room B-002
January 25-28, 2005

Tuesday, January 25

6:00 PM Dinner, Argonne Guest House Review Panel and BES only

Wednesday, January 26

8:00 Continental Breakfast

8:30 Welcome Hermann Grunder, Director, Argonne National Laboratory
Robert Rosner, Chief Scientist and Associate Laboratory Director
for Physical, Biological, and Computational Science

8:45 Overview George Crabtree, Director, Materials Science Division

9:45 Neutron and X-Ray Scattering (58701)

Overview: James Jorgensen
Highlight: Stephan Rosenkranz
Highlight: Suzanne teVelthuis

10:45 Coffee

11:15 Synchrotron Radiation Studies (58926)

Overview: G. Brian Stephenson
Highlight: Juan Carlos Campuzano

12:15 Lunch in Materials Science Division, Bldg. 223, Rm C030

1:00 Posters: Neutron and X-Ray Scattering, Synchrotron Radiation Studies

2:00 Emerging Materials (58916)

Overview: John Mitchell
Highlight: Kenneth Gray

3:00 Coffee

3:15 Magnetic Films (58918)

Overview: Samuel Bader
Highlight: Valentyn Novosad
Highlight: Axel Hoffmann

4:15 Posters: Emerging Materials, Magnetic Films

6:00 Dinner Argonne Guest House Review Panel, BES, and MSD Members



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Thursday, January 27

- 8:00 Continental Breakfast
- 8:30 Superconductivity and Magnetism (58906)
Overview: Wai-Kwong Kwok
Highlight: Zhili Xiao
Highlight: Ulrich Welp
- 9:30 Dynamics of Granular Materials (58806)
Overview: Igor Aronson
Highlight: Vitalii Vlasko-Vlasov
- 10:15 Coffee
- 10:45 Condensed Matter Theory (59001)
Overview: Michael Norman
Highlight: Konstantin Matveev
- Materials Theory Institute (59002)
Overview: Valerii Vinokur
Highlight: Igor Beloborodov
- 12:15 Lunch in Materials Science Division, Bldg. 223, Rm C030
- 12:45 Posters: Superconductivity and Magnetism, Dynamics of Granular Materials, Condensed Matter Theory, Materials Theory Institute
- 1:45 Directed Energy Interaction with Surfaces (58600)
Overview: Michael Pellin
Highlight: Jerry Moore
- 2:30 Nanostructured Thin Films (57504)
Overview: John Carlisle
Highlight: Dieter Gruen
- 3:15 Coffee
- 3:30 Molecular Materials (58510)
Overview: Larry Curtiss
Highlight: Hsien-Hau Wang
Highlight: Xiao-Min Lin
- 4:15 Posters: Directed Energy Interactions with Surfaces, Nanostructured Thin Films, Molecular Materials
- 6:00 Dinner Argonne Guest House Review Panel, BES, and MSD Members



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Friday, January 28

8:00 Continental Breakfast

8:30 Interdisciplinary Science

Albert Wagner, Director, Chemistry Division

Eric Isaacs, Director, Center for Nanoscale Materials

Lee Makowski, Director, Bioscience Division

George Crabtree, Director, Materials Science Division

9:15 Nanostructured Biocomposite Materials for Energy Transduction (57525)

Overview: Millicent Firestone

Highlight: Philip Laible (BIO)

10:00 Coffee

Posters: Nanostructured Biocomposite Materials for Energy Transduction

11:00 Concluding Remarks and Discussion, George Crabtree

Supplementary Session

11:30 White Paper: Nano-assembly by Protein Scaffolds, Lee Makowski, BIO

12:00 White Paper: Electrocatalysis, Nenad Markovic

12:45 Lunch and Adjourn