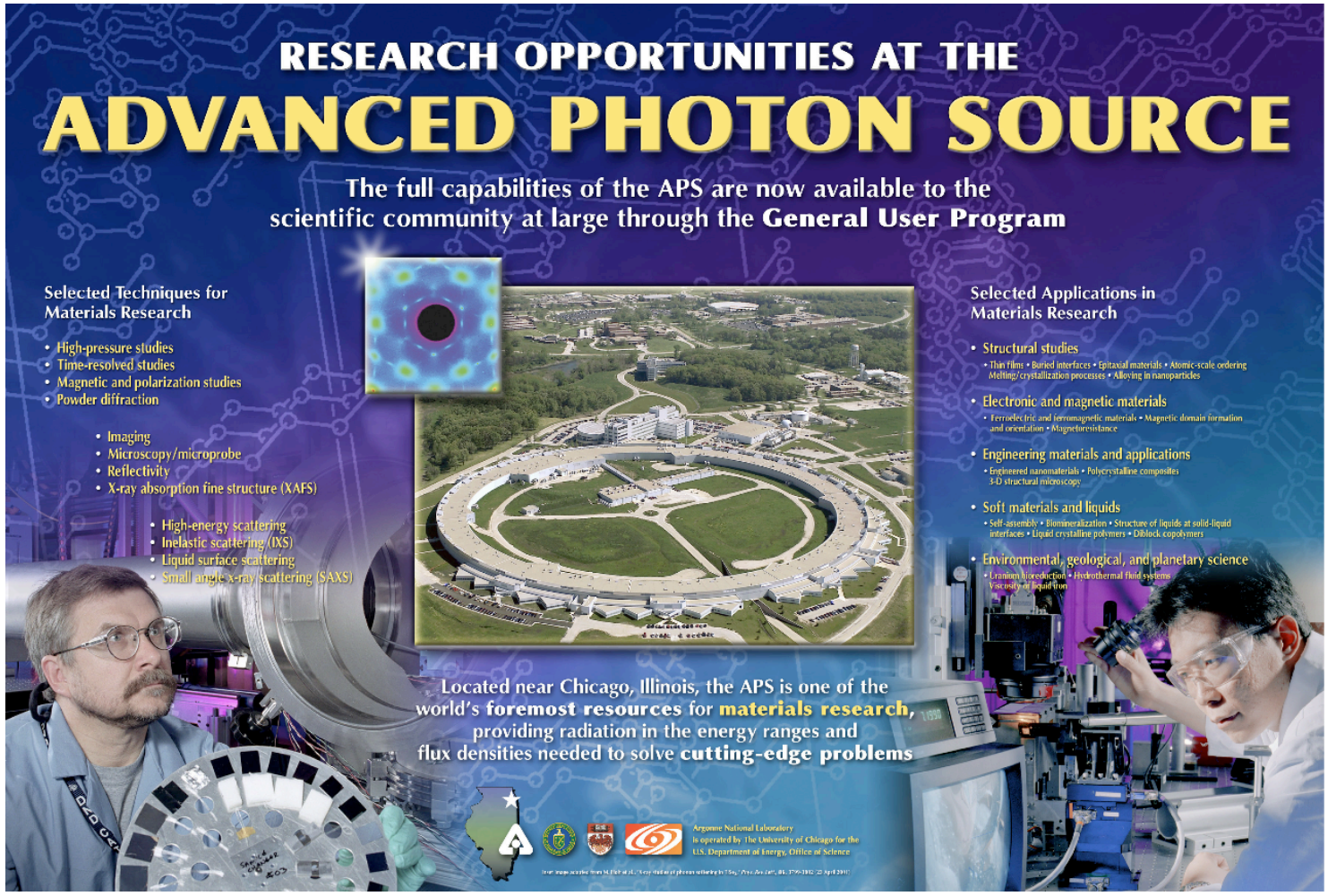
APS at MRS Fall 2003

- December 2-4
- Boston
- Booth 205

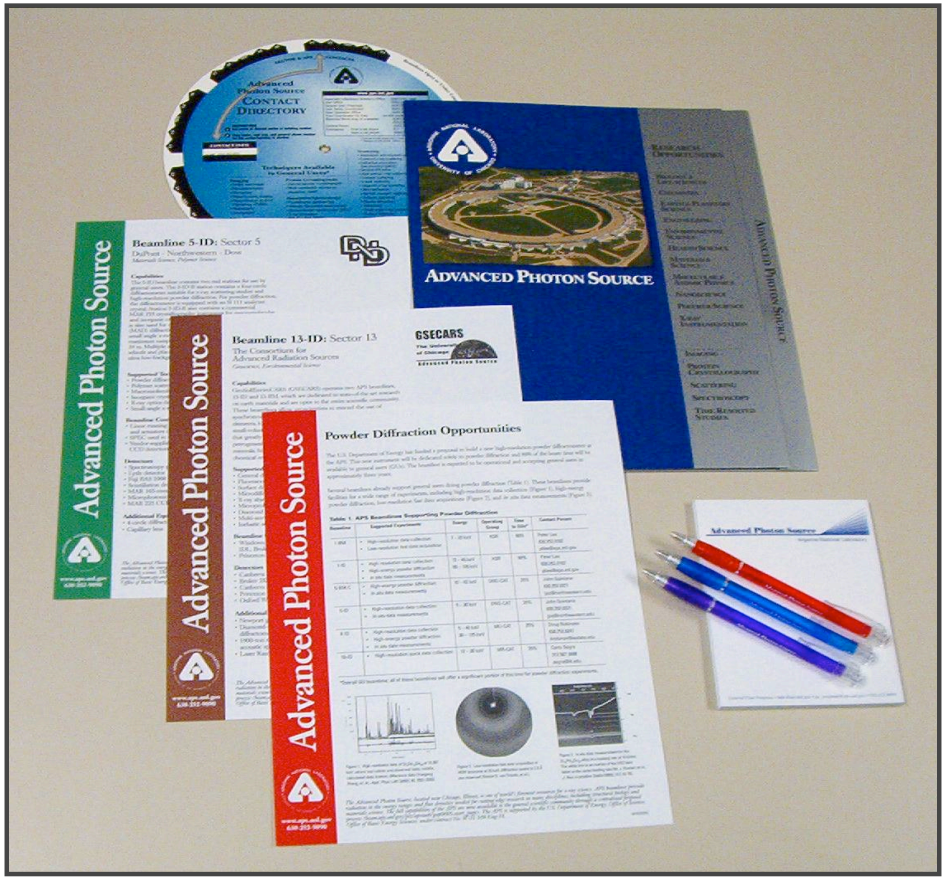
Jane Andrew
x 0909

Poster


RESEARCH OPPORTUNITIES AT THE
ADVANCED PHOTON SOURCE
The full capabilities of the APS are now available to the scientific community at large through the General User Program
Selected Techniques for Materials Research
• High-pressure studies
• Time-resolved studies
• Magnetic and polarization studies
• Powder diffraction
• Imaging
• Microscopy/microprobe
• Reflectivity
• X-ray absorption fine structure (XAFS)
• High-energy scattering
• Inelastic scattering (IXS)
• Liquid surface scattering
• Small angle x-ray scattering (SAXS)
Selected Applications in Materials Research
• Structural studies
• Thin films • Buried interfaces • Epitaxial materials • Atomic-scale ordering Melting/crystallization processes • Alloying in nanoparticles
• Electronic and magnetic materials
• Ferroelectric and ferromagnetic materials • Magnetic domain formation and orientation • Magnetoresistance
• Engineering materials and applications
• Engineered nanomaterials • Polycrystalline composites 3-D structural microscopy
• Soft materials and liquids
• Self-assembly • Biomineralization • Structure of liquids at solid-liquid interfaces • Liquid crystalline polymers • Diblock copolymers
• Environmental, geological, and planetary science
• Uranium bioreduction • Hydrothermal fluid systems Viscosity of liquid iron
Located near Chicago, Illinois, the APS is one of the world's foremost resources for materials research, providing radiation in the energy ranges and flux densities needed to solve cutting-edge problems
Argonne National Laboratory is operated by The University of Chicago for the U.S. Department of Energy, Office of Science

Pens, Packets, Pads…

Your giveaway goodies could also be here…



People

Goodies are great, but
on-the-spot technical expertise
makes all the difference!
We need *you* !

Booth 205

Contact

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