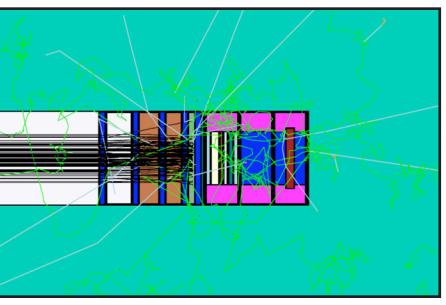
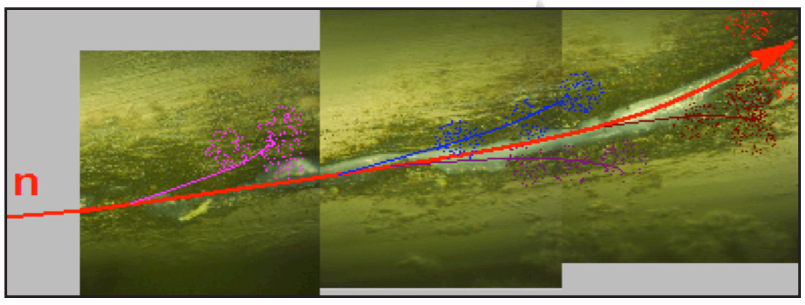
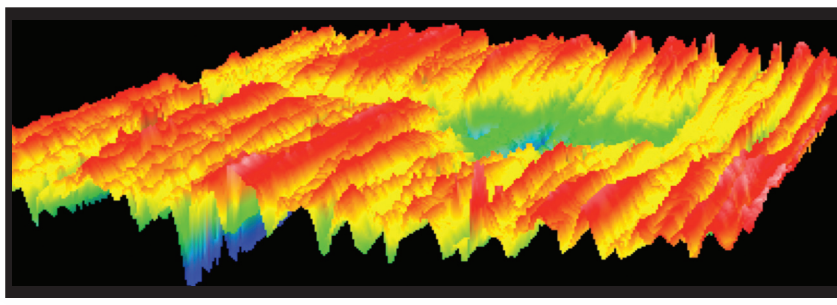
Workshop

Characterization of Advanced Materials under Extreme Environments for Next Generation Energy Systems







Brookhaven National Laboratory
September 25-26, 2009

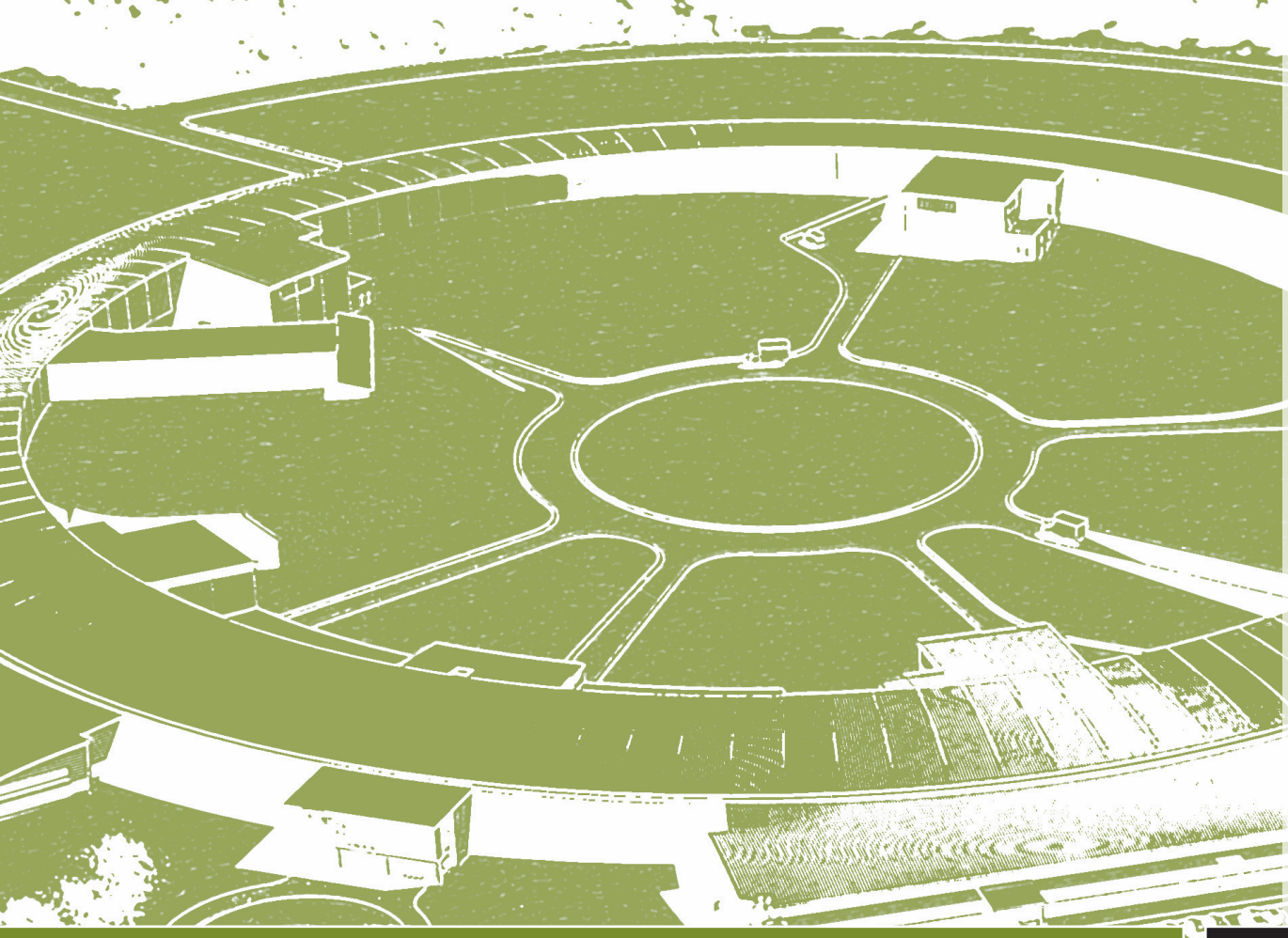
Workshop Objective

Establish a bridge between material science under the extreme conditions of next generation energy systems in general and nuclear energy in particular and advances in material characterization and computational techniques including the role of next generation light sources

Explore the potential of x-ray beam parameters offered by next generation light sources and neutron sources in the characterization of materials under extreme conditions of the next generation energy systems

Main Topics

- Nuclear Energy Systems and Materials
- Advanced Materials for Next Generation Energy Systems
- Material Characterization Techniques and Extreme Conditions
- State of the Art and Beyond — Next Generation Probes
- Computational Approaches and Modeling
- Linking of Atomic and Macro-Scales



Scientific Committee

Dr. Q. Shen, BNL/NSLS II
Dr. Y. Zhu, BNL/CFN
Prof. T. Tsakalakos, Rutgers U.
Prof. K. Czerwinski, UNLV
Prof. J. B. Parise, SBU
Dr. L. Snead, ORNL
Dr. M. Stan, LANL

Organizing Committee

Dr. N. Simos, BNL
Dr. L. Ecker, BNL
Dr. L. Ehm, BNL/SBU
Dr. C.-C. Kao, BNL
Dr. M. Todosow, BNL

Contact

Nick Simos, EST/NSLS II, BNL
+1 631 344 7229
simos@bnl.gov
http://www.bnl.gov/camworkshop

Organized under the auspices of CFN, EENS, JPSI , NSLS, and NSLS-II

U.S. DEPARTMENT OF ENERGY | Office of Science

BROOKHAVEN NATIONAL LABORATORY

Important dates

Abstract Submission	August 14
Workshop Registration	August 28
BNL Registration	August 28