

MMSNF-4

First Call

Materials Models and Simulations for Nuclear Fuels

Omni Shoreham Hotel, Washington, DC

November 17-18, 2005

Organized by the Los Alamos National Laboratory,

<http://www.lanl.gov/worldview>

Sponsored by the Department of Energy of U. S. A.,
the Advanced Fuel Cycle program.

<http://afci.lanl.gov/aboutaaa.html>.

Held in conjunction with the American Nuclear Society winter meeting,
November 13-17, 2005, Washington DC, SUA.

<http://www.ans.org/meetings>

Workshop web page (under construction): <http://public.lanl.gov/mastan/MMSNF>

LOCATION: Omni Shoreham hotel: http://www.omnihotels.com/hotels/default.asp?h_id=6



ORGANIZING COMMITTEE:

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SCOPE AND FORMAT: The MMSNF Workshop series aims at stimulating research and discussions on models and simulations of nuclear fuels and coupling the results with the fuel performance codes. Brief presentations of multi-scale (first principles, atomistic, meso-scale, and continuum) theory-based models and simulations of material properties are encouraged. Experimental results that define requirements, guide, or challenge the models are also welcomed. The presentations are followed by discussions of the sessions' subject. All presentations will be loaded on a CD and distributed to participants.

AGENDA: The sessions will be dedicated to:

- Advanced Fuel Performance Codes.
- Theory-Based Models and Simulations of Materials Properties.
- The Impact of Models, Simulations, and Fuel Performance Codes on Nuclear Fuel Development.

ABSTRACT SUBMISSION: Please send your abstracts via e-mail by **Sept. 30, 2005** to:
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REGISTRATION: Please send the registration form and **\$50** (money order or USA check) as soon as possible but no later than **Oct. 15, 2005**, to: Rosemary Romero, Los Alamos National Laboratory, e-mail: rbromero@lanl.gov, phone: +1-505-665-7657, Fax: +1-505-665-9030

Previous editions:

First workshop, Santa Fe, NM, June 9-10, 2003: <http://www.lanl.gov/mst/nuclearfuels/>

Second workshop, New Orleans, LA, Nov. 20-21, 2003: <http://www.lanl.gov/orgs/mst/mmsnf/>

Third workshop, Washington DC, Nov. 18-19, 2004: <http://www.lanl.gov/mst/mmsnf2004/>