

June 6, 2011

Sandia National Laboratories

*Russian Federation Labs Science and
Technology Program Overview*

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**Vice President,
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Ongoing and Planned Joint Activities

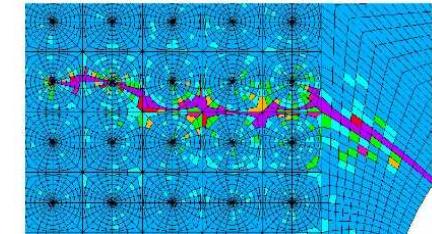
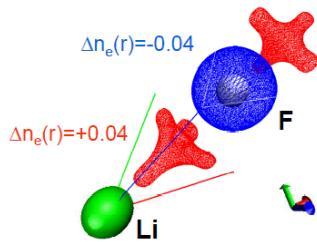
- PI-to-PI research projects form the backbone of the activity
 - 11 joint projects in FY11-12 with overall budget ~ \$US 725k
 - Current work is directed at materials science, computational science, and pulsed power among 5 Sandia and 7 Russian Federation PIs
 - Additional focus areas may be identified from Lab Director discussions
- Co-participation in Conferences and extended site visits has been important to the success of the research projects.
- Open communication and exchange with NNSA and our counterparts at LANL and LLNL has also been an important characteristic of the projects.

Representative Joint SNL – Russian Federation Institute Projects

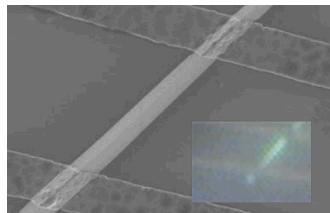


Thermally-driven
Foam
Decomposition
and Container
Pressurization,
VNIIAA

Extending Non-Equilibrium MD
Simulation to Model Extreme
States of Matter, **RAS/JIHT**



Application of Models for Chemical
Material Damage, **RAS/IPME**

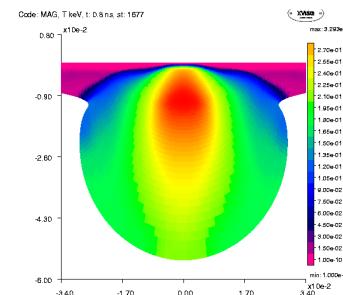


Vacancy Migration
in Semi-
conductors,
VNIIEF

Joint Projects Span Six Russian

Federation Institutes

Hybrid Magnetic Implosion
Modeling, **VNIITF**



Molecular Dynamics Estimates of
Thermal Conductivity of
Semiconductors, **Sarov**

