

**RAE PUBLICATIONS**  
**October 1999 – August 2002**

**Nuclear Safety**

A United States-Russian Federation Collaborative Research Program on Advanced Structural Analysis to Enhance Nuclear Safety

*R. Kulak, Ronald F. and Boutorin, Sergey*

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A Technical Basis for the Equivalent-Mass Method in Criticality Safety

*T. H. Bauer and J. A. Morman*

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Status and Future Direction of the Melt Attack and Coolability Experiments (MACE) Program at Argonne National Laboratory

*M. T. Farmer, B. W. Spencer, J. L. Binder, and D. J. Hill*

Proc. 9th Int. Conf. on Nucl. Eng., ICONE-9697, April 8-12, 2001.

Modeling of Ex-Vessel Corium Coolability with the CORQUENCH Code

*M. T. Farmer*

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Coolant Voiding Analysis Following SGTR for an HLMC Reactor

*M. T. Farmer, B. W. Spencer, and J. J. Sienicki*

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Results of MACE Corium Coolability Experiments M0 and M1b

*M. T. Farmer, B. W. Spencer, D. J. Kilsdonk, and R. W. Aeschlimann*

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An Advanced Modular HLMC Reactor Concept Featuring Economy, Safety, and Proliferation Resistance

*B. W. Spencer, R. N. Hill, D. C. Wade, D. J. Hill, J. J. Sienicki, H. S.*

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Liquidus/Solidus and Zr Solubility Measurements for PWR and BWR Core Melt Compositions

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Performance of k-e Turbulence Models in the Simulation of LWR Fuel-Bundle Flows

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## **Engineering Mechanics**

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