

Sonoluminescence and Induced Fusion Workshop and Program Review

.....
3811 North Fairfax Drive, Suite 600, Arlington, VA

Thursday, June 19, 2003
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0700 – 0800

Registration and Breakfast

Rusi Taleyarkhan, ORNL

0800 – 0930

Robert Nigmatulin, Russian Academy of Sciences

Update on Evidence for Nuclear Emissions in Experimental and Analytical Studies on Nuclear-Particle Seeded Acoustic Cavitation

0930 – 1000

Seth Putterman, UCLA

What are the Limits of Energy Focusing in Sonoluminescence

1000 – 1015

Break

1015 – 1045

Lawrence Crum, University of Washington

Enhancing the Violence of Cavitation Collapse with Different Applied Waveforms

1045 – 1115

Ken Suslick, Univ. of Illinois

Chemical Control of Single Bubble Cavitation

1115 – 1145

Ross Tessien, Impulse Devices Inc.

Innovative Approaches to Acoustic Inertial Confinement Fusion

Felipe Gaitan, Impulse Devices Inc.

Devices and Experiments for Acoustic Inertial Confinement Fusion at High Ambient Pressures

1145 – 1200

Michael Saltmarsh, ORNL

Fusion from Sonoluminescence – An Outsider's Perspective of Pitfalls

1200 – 1300

Working Lunch

1215 – 1245

Glenn Holt, Boston University

The Role of Shape Stability in Sonoluminescence and Cavitation Collapse

1245 – 1300

Scott Chubb, NRL

Sonofusion

1300 – 1330

Lawrence Forsley, JWK International Corporation

Basic Physics of Acoustic and Laser Driven Inertial Confinement Fusion

1330 – 1345

Yeong Kim, Purdue University

Research Activities of Purdue Applied Neutron Physics Group (ANPG) on Sonoluminescence and Induced Fusion

1345 – 1430

Michael McKubre, SRI

Evidence of Fusion Processes in Highly Loaded Metal Deuterides

1430 – 1500

Peter Hagelstein, MIT

Theory and Models for Anomalies in Metal Deuterides

1500 – 1530

Graham Hubler, NRL

Ongoing Investigation of Anomalous Nuclear Effects at NRL

1530 - 1730

Group Discussions