



## **International Conference Showcases Latest Breakthroughs in Fusion Science**

For Immediate Release  
September 4, 2009  
Contact: Lynda Seaver. (925) 423-3103 or seaver1@llnl.gov

SAN FRANCISCO, CA - More than 600 researchers in the fields of inertial fusion sciences, high energy physics and related applications will gather for the Sixth International Conference on Inertial Fusion Sciences and Applications (IFSA) from Sept. 6-11 in San Francisco.

The weeklong conference features renowned laser scientists from around the world who will discuss the many significant advances that have been made in high energy density science.

Throughout the week the conference will feature more than 400 presentations on fusion science. The conference kicks off Monday morning, Sept. 7, with three keynote presentations, each representing the conference's United States, Europe and Asia sponsors. Former Lawrence Livermore National Laboratory Director and inertial confinement fusion pioneer John Nuckolls will present the "Grand Challenges of Inertial Fusion Energy." Michael Dunne, director of photon science at Rutherford Appleton Laboratory in England, will present "Inertial Fusion Research in Europe." And Kunioki Mima, physics professor and former director of the Institute of Laser Engineering at the University of Osaka in Japan, will discuss "Status and Future Prospects of Laser Fusion and High Power Laser Applications."

The American Nuclear Society's Edward Teller Medal also will be awarded at the conference. The award recognizes "pioneering research and leadership in the use of laser and ion-particle beams to produce unique high-temperature and high-density matter for scientific research and for controlled thermonuclear fusion." This year's Edward Teller Medal will be presented Thursday, Sept. 10, to Edward Moses, Director of the National Ignition Facility at Lawrence Livermore National Laboratory, and Riccardo Betti, professor and Director of the Fusion Science Center of Extreme States of Matter and Fast Ignition at the University of Rochester.

The conference takes place at the Intercontinental Hotel, 888 Howard St., in San Francisco. For a complete listing of speakers and presentations see the IFSA website at <https://ifsa09.org/program/index.php>. For general information about the conference, see <https://ifsa09.org/index.php>

The conference is co-sponsored by the University of California, the Institute for Laser Engineering in Japan, and Institut Laser et Plasmas in France.