

# Fusion Simulation Project Workshop

In February, 2002, the DOE Office of Science asked the Fusion Energy Sciences Advisory Committee (FESAC) to assist in defining a major new initiative to be sponsored jointly by the Office of Fusion Energy Sciences and the Office of Advanced Computer Science Research. The goal of this initiative, the Fusion Simulation Project (FSP), is to create a comprehensive set of theoretical fusion models, an architecture for bringing together the disparate physics models, combined with the algorithms and computational infrastructure that enables the models to work together. The required funding level is expected to be on the order of \$100M spread over five to six years. A FESAC ISOFS (Integrated Simulation and Optimization of Fusion Systems) Subcommittee, with members from the fusion, applied mathematics and computer science communities, has been constituted to generate a plan for moving forward with the FSP.

The FSP undertaking represents a significant opportunity and a significant challenge to the fusion program. The FESAC ISOFS Subcommittee invites all interested members of the OFES and OASCR communities to a workshop to be held at the Hyatt Regency Islandia in San Diego on Sept. 17,18, 2002, to discuss the goals, framework and governance for the FSP.

Details for this workshop can be found at: <http://www.isoifs.info> .

The FESAC ISOFS Subcommittee strongly urges participation from anyone interested in this initiative.

Signed: Jill Dahlburg (ISOFS Subcommittee Chair)  
Jim Coronas (ISOFS Subcommittee Vice-Chair)

ISOFS Subcommittee Members: Don Batchelor, Marsha Berger, Randall Bramley, Martin Greenwald, Stephen Jardin, Sergei Krasheninnikov, Alan Laub, William Lokke, Jean-Noel Lebouef, John Lindl, Marshall Rosenbluth, David Ross, Dalton Schnack, Harold Weitzner