

Announcement

Twelfth Conference on The Numerical Simulation of Plasmas

San Francisco, California, September 20–23, 1987

The Twelfth Conference on The Numerical Simulation of Plasmas will be held September 20–23, 1987, at the Sheraton-Palace Hotel in San Francisco, California. This is a conference of the new Computational Physics Topical Group of the American Physical Society. It is sponsored by the APS and the National Magnetic Fusion Energy Computer Center of the Lawrence Livermore National Laboratory (LLNL).

Papers emphasizing the method of computational physics in the simulation of plasmas and related phenomena are invited. Subjects of interest include non-linear and kinetic effects, hydromagnetic models, Fokker–Planck calculations, equilibria, flows, turbulence, micro-instabilities, resistive plasmas, linear and non-linear low frequency instabilities. Particular emphasis is placed on fusion and space plasmas. We encourage papers on computational methods relevant to these areas, including finite element models, implicit techniques, PDE solvers, and parallel algorithms. Papers on methods with applications in related disciplines such as astrophysics, meteorology, plasma engineering, and fluid dynamics are also welcome.

The meeting format, during the first three days, will include a morning session of invited papers followed by afternoon or evening sessions of contributed presentations. On the fourth day a bus tour to the supercomputing and fusion research facilities at the Lawrence Livermore National Laboratory will be arranged. Persons on the mailing list will receive an announcement with meeting and hotel reservation forms in early March 1987. At that time titles of presentations will be solicited. Short (four page) manuscripts will be due on the 15th of August. These will be bound together as the conference proceedings to be distributed at the meeting and subsequently to be published in hard cover by AIP.

Persons interested in attending this conference who are not already on the mailing list and who did not attend the Montreal meeting should contact:

Ms. Donna Crew
Conference Administrator
P.O. Box 5509, L-561
Lawrence Livermore National Laboratory
Livermore, California 94550