

Fusion Power Associates Annual Meeting and Symposium

In Honor of LLNL Fusion Pioneers Richard F. Post and John H. Nuckolls

Fusion Energy: Countdown to Ignition and Gain Including Tour of National Ignition Facility

December 3-4, 2008
Hilton Garden Inn, Livermore, CA
and
Lawrence Livermore National Laboratory

Agenda

Wednesday, December 3 (Hilton Garden Inn)

- 7:30 Registration
- 8:00 Welcome, Gerald Navratil, Chair, FPA Board of Directors
- 8:10 Presentation of Awards, Steve Dean, President, FPA
- 8:30 Thoughts on Fusion Energy Development, Richard F. Post, LLNL
- 8:45 Thoughts on Fusion Energy Development, John H. Nuckolls, LLNL
- 9:00 Status of ITER, Kaname Ikeda, Director General, ITER Organization
- 9:30 Plans for U.S. Contributions to ITER, Ned Sauthoff, US ITER Proj. Dir.
- 9:50 Break
- 10:20 The U.S. Burning Plasma Program, Chuck Greenfield, General Atomics
- 10:40 Status of Laser Research in Japan, Kunioki Mima
- 11:00 High Average Power Laser (HAPL) Program, John Sethian, NRL
- 11:20 Report of FESAC Panel on HEDLP and IFES, Riccardo Betti, U. Rochester
- 11:40 Lunch
- 12:40 Buses Depart for LLNL (West Badge Office and B482 Auditorium)
- 1:30 Welcome, George Miller, Director, LLNL
- 1:40 Session on LLNL Laser Programs – John Caird, Session Chair (invited)
- 1:40 Status of the National Ignition Facility, Ed Moses, LLNL
- 2:10 Future Directions for Inertial Fusion, Ed Moses, LLNL
- 2:30 Planning for the Ignition Campaign on NIF, John Lindl, LLNL
- 2:50 Status of DPSSL and High Average Power Short-pulse Laser Technology Required for Fast Ignition IFE, Chris Barty, LLNL
- 3:10 Tour of NIF
- 5:00 Bus Departs LLNL for Hilton Garden Inn
- 5:30 Reception, In celebration of 90th Birthday of Dick Post
- 7:00 FPA Board of Directors Meeting at Hilton Garden Inn

Thursday, December 4 (Hilton Garden Inn)

- 8:00 The Legacy of Richard F. Post, Dmitri Ryutov, LLNL, Session Chair
- Tribute to Dick Post, T. K. Fowler, U. C. Berkeley
 - GAMMA-10 Simulation Results and Implications for a Tandem Mirror Effort, Jane Pratt, U. Texas
 - Magnetic Mirror Experiments, Tom Simonen, LLNL/GA (retired)
 - Sustainment Physics of a Self-Organized Spheromak Torus Imbedded in an Open Magnetic Field, Bick Hooper, LLNL (retired)
- 9:00 Overview of Fusion Research at National Institute of Fusion Research (NIFS)
- Osamu Motojima, Director NIFS, Japan
- 9:20 DOE NNSA Perspective, David Crandall, NNSA
- 9:40 DOE OFES Perspective, Gene Nardella, OFES
- 10:00 Break
- 10:30 Status of HEDLP and HIF, B. Grant Logan, LBNL
- 10:50 New Directions in Fusion Energy Program at LLNL, E. Synakowski (LLNL)
- 11:10 Overview of Fusion Research at PPPL, Rob Goldston, PPPL
- 11:30 Lunch
- 12:30 Overview of Fusion Research at General Atomics, Ron Stambaugh, GA
- 12:50 Overview of Inertial Fusion Research at U.Rochester, Bob McCrory, U.R.
- 1:10 Overview of Fusion Research at MIT, Miklos Porkolab, MIT PSFC
- 1:50 Overview of Fusion Research at LANL, Glen Wurden, LANL
- 2:10 Break
- 2:30 Overview of Fusion Research at SNL, Keith Matzen, SNL
- 2:50 Overview of Inertial Fusion Energy Activities at NRL, Steve Obenschain, NRL
- 3:10 Overview of Fusion Support Activities at Schafer Corp., Nicole Petta, Schafer
- 3:30 Report of FESAC Panel on Alternate Concepts, Dave Hill, LLNL
- 3:50 The U.S. Fusion Technology Program, Stan Milora, ORNL
- 4:10 Role of Neutron Sources in MFE and IFE, John. Sheffield, U. Tennessee
- 4:30 U. S. Fusion Design Studies, Farrokh. Najmabadi, UCSD
- 4:30 Adjourn

A block of rooms at a rate of \$99 has been reserved under "Fusion Power" at the Hilton Garden Inn Livermore for the nights of Dec 2,3,4.

2801 Constitution Drive
Livermore, CA 94551
(925)292-2000 or
(888)243-9004 US toll-free

Buses to LLNL will depart Hilton Garden Inn for Lawrence Livermore National Laboratory at 12:40 PM on Dec 3.

Deadline for registration (in order to allow time to secure LLNL approval for lab access and NIF tour) is October 1 for non-US-citizens and November 1 for US citizens.

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Hilton Garden Inn and Lawrence Livermore National Laboratory

Livermore, CA, USA

Hotel Information: A block of rooms has been reserved under the name "Fusion Power" at the Hilton Garden Inn Livermore, 2801 Constitution Drive, Livermore, CA 94551 (925)292-2100 or (toll-free) (888)243-9004. To register, please print the registration form below and mail or fax to Fusion Power Associates, 2 Professional Drive, Suite 249, Gaithersburg, MD 20879 USA. Fax: 301-975-9869. Registrants **MUST ALSO** register with LLNL at https://www.regonline.com/fpa_annual_mtg

Registration Form for FPA Annual Meeting

Name: _____

Institution: _____

Address: _____

Phone/Fax: _____

Email: _____

_____ **My check for \$425 is enclosed or my credit card info is provided above**

_____ **I will pay \$450 at the door**

_____ **I am retired and request reduced registration fee of \$200**

_____ **I wish to attend only Reception December 3 and Legacy of Richard F. Post Technical Session December 4 and request registration fee of \$100**

_____ **I wish to attend only Legacy of Richard F. Post Technical Session December 4 and request registration fee of \$50**

_____ **I am either press, congressional staff, student or spouse and request complimentary registration**

Fusion Power Associates 2008 Annual Meeting

Name on Card: _____

Amount to be billed: _____

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Expiration Date: _____ **Three Digit Code:** _____

Zip Code of Billing Address: _____

Fax to Fusion Power Associates: (301)975-9869 or phone to (301)258-0546/

No refunds after November 10, 2008.