

FUSION POWER ASSOCIATES 41ST ANNUAL MEETING

Fusion Energy: Achievements and Opportunities 2020

December 16-17, 2020

Virtual Remote Access Meeting

All Posted Times U.S. Eastern Standard Time

Agenda (12-16-20)

Wednesday Morning December 16

- 10:00 Log In and/or Troubleshoot
- 10:30 Welcome – Tony Taylor, Chairman of the Board, FPA
- 10:40 Presentation of Awards, - Stephen O. Dean, President, FPA
Distinguished Career – Irvin Lindmuth, Ned Sauthoff and Keith Burrell
Leadership – Michael Mael
Excellence in Fusion Engineering – Egemen Koleman and David Turnbull
- 11:00 **Keynote Address – Paul Dabbar, Under Secretary for Science, USDOE**
- 11:30 **International Session: Europe Session Chair, S. Dean, FPA**
- 11:30 Bernard Bigot, Director General, ITER Organization
- 11:45 Ian Chapman, CEO, UKAEA; Director, Culham Science Center, UK
- 12:00 Jose Manuel Perlado, Director, Instituto de Fusion Nuclear
- 12:15 Kathy McCarthy, Associate Director, ORNL C
- 12:30 Break
- 12:45 **Magnetic Fusion Energy – Session Chair, G. Navratil, Columbia U.**
- 12:45 Steven Cowley, Director, Princeton Plasma Physics Laboratory
- 1:00 Richard Buttery, Director, DIII-D National Fusion Program, General Atomics
- 1:15 Dennis Whyte, Director, Plasma Science and Fusion Center, MIT
- 1:30 Mickey Wade, Director, Fusion Energy Division, ORNL
- 1:45 Harry McLean, Fusion Energy Sciences Program Leader, LLNL
- 2:00 Break
- 2:30 **Session: Inertial and Magneto Inertial Fusion – Chair, Mark Herrmann, LLNL**
- 2:30 Mark Herrmann, Director, National Ignition Facility, LLNL
- 2:45 Daniel Sinars, Director, Pulsed Power, Sandia National Laboratories
- 3:00 Michael Campbell, Director, Laboratory for Laser Energetics, U. Rochester
- 3:15 Steve Obenschain, U.S. Naval Research Laboratory
- 3:30 Michael Farrell, Director for ICF, General Atomics
- 3:45 Break
- 4:00 **Congressional Speakers – House Science Session Chair, S. Dean, FPA**
Adam Rosenberg & Hillary O'Brien
- 4:30 **Session: Private Sector and Partnerships – Session Chair, S. Hsu, ARPA-E**
- 4:30 Michl Binderbauer, CEO, TAE Technologies
- 4:45 Jonathan Carling, CEO, Tokamak Energy, UK
- 5:00 Michel Laberge, CSO, General Fusion, Canada
- 5:15 Bob Mumgaard, CEO, Commonwealth Fusion Systems
- 5:30 Brian Nelson, CTO, Zap Energy
- 5:45 Derek Sutherland, CEO, CTFusion, Inc.
- 6:00 Scott Hsu, Program Director, ARPA-E, USDOE
- 6:15 Break

- 6:45 **International Session: Asia – Session Chair, S. Dean, FPA**
6:45 Hideki Iwabuchi, Director Int. Nuclear and Fusion Affairs, MEXT, Japan
7:00 Kenichi Kurihara, Director General, Naka Fusion Institute, Japan
7:15 Suk Jae Yoo, President, Korean Institute of Fusion Energy
7:30 Yican WU, Director, INEST, China
7:45 Ryusuke Kodama, Director, Institute of Laser Engineering, Osaka U
8:00 Martin Peng, ENN Science and Technology Development Co. Ltd., China
8:15 Adjourn

Thursday Morning December 17

- 10:00 Log In and/or Troubleshoot

Morning Session – Session Chair, S. Dean, FPA

- 10:30 James Van Dam, Assoc. Director for OFES, Office of Science, USDOE

- 11:00 Communications – Zabrina Johal, General Atomics
11:45 Richard Pearson – CO-Founder, Kyoto Fusioneering Ltd.

- 12:00 Keith Burrell Distinguished Career Award – Stephen O. Dean

12:05 Session: Planning – Session Chair, Don Rej, LANL (retired)

- 12:05 Overview – Don Rej, Chair FESAC
12:20 US Fusion Community Planning Report – Wayne Solomon, General Atomics
12:35 FESAC Planning Report – Troy Carter, UCLA
12:50 Break

1:15 Session: Science and Technology – Session Chair, Farhat Beg, UCSD

- 1:15 Thomas Schenkel, Director, Accelerator Technology & Applied Physics Division, LBNL
1:30 Siegfried Glenzer, Director, High Energy Density Science, SLAC
1:45 Mohamed Abdou, Director, Fusion Science and Technology Center, UCLA
2:00 John Kline, Program Manager, FES and NNSA Fusion Research, LANL

- 2:15 Break

2:45 Session: Science and Technology – Session Chair, Peter Seidl, LBNL

- 2:45 Francois Waelbroeck, Director, Institute of Fusion Studies, U. Texas, Austin
3:00 David Babineau, Director Defense Programs and Fusion Technology, SRNL
3:15 Charles Greenfield, Director, US Burning Plasma Organization
3:30 Jonathan Zuegel, U. Rochester
3:45 Daniel Clark, OFES, USDOE
4:00 Adjourn