**FUSION POWER ASSOCIATES**

**42ND Annual Meeting and Symposium: Pathways to Fusion Power**

**December 15-16, 2021 Grand Hyatt Washington**

(hybrid in-person/remote webinar)

Agenda (12/14), R=remote

**Wednesday December 15** **Constitution CDE Room**

7:30 AM Registration and Continental Breakfast

8:15 Welcome – Tony Taylor, Chair, FPA Board

8:20 Introduction of Chairwoman Johnson – Tony Taylor, Chair, FPA Board

 Opening Remarks – Hon. Eddie Bernice Johnson, **by video**

 Chairwoman, House Committee on Science, Space and Technology

8:30 Presentation of Awards – Stephen O. Dean, President, FPA

9:00 **World Perspectives – Steve Dean, Chair**

9:00 Yuntao Song – Director General, Inst. of Plasma Sciences,

 Chinese Academy of Sciences R

 9:20 Yutaka Kamada – Deputy Director General, Naka Fusion Institute, Japan R

 9:40 Suk Jae Yoo – President, Korean Institute of Fusion Energy, Korea R

 10:00 Yican Wu – Professor, Chief Scientist, INEST, China R

 Presented by Dr. Minghuang Wang, INESt, China R

 10:20 Discussion

10:30 Break

11:00 James Van Dam – Assoc. Director for FES, USDOE R

Scott Hsu – Program Director, ARPA-E R

 Sarah Nelson – NNSA

12:00 Lunch -- Provided

1:00 **Planning – John Kline, Chair (C)**

 1:00 Ian Chapman – CEO UKAEA, Director Culham, UK Program R

 1:15 Tony Donne – Programme Manager, EUROfusion R

 1:30 Troy Carter – UCLA, FESAC Strategic Plan Report

 1:45 Richard Hawryluk – PPPL (retired), NASEM Pilot Plant Report R

 2:00 Andrew Sowder – Senior Technical Executive, EPRI

 2:15 Discussion

2:30 **US Magnetic Confinement – Gerald Navratil, Chair**

 2:30 Wayne Solomon – Deputy Director, Magnetic Fusion Energy. GA

 2:45 Steven Cowley – Director, Princeton Plasma Physics Laboratory R

 3:00 Mickey Wade – Director, Fusion Energy Division, ORNL

 3:15 Dennis Whyte – Director, Plasma Science and Fusion Center, MIT R

 3:30 Discussion

3:45 Break

4:15 **US** **Inertial Confinement – Michael Campbell, Chair**

 4:15 Michael Campbell – Director, Lab for Laser Energetics, U. Rochester

 4:30 Tammy Ma – Program Leader, HED Science, LLNL

 4:45 Daniel Sinars – Director, Pulsed Power, Sandia Nat’l Laboratories

 5:00 Stephen Obenschain – Head, Laser Plasma Branch, NRL

 5:15 Mario Manuel – ICF, General Atomics R

 5:30 Discussion

5:45 Eva Kostadinova – Chair, Coalition for Plasma Science

6:00 – 7:30 Reception (**Grand Foyer**)

7:30 – 8;30 Board of Directors Meeting (**Benneker Room**)

**Thursday December 16 Constitution CDE Room**

7:30 Registration and Continental Breakfast

8:00 **ITER – Daniel Sinars, Chair**

 8:00 Bernard Bigot – Director General, ITER Organization R

 Represented by Tim Luce, ITER Organization R

 8:15 Kathryn McCarthy – ORNL R

 Associate Laboratory Director for Fusion and Fission Energy and Science, and U.S. ITER Project Director

8:30 **Stellarator Pathways Daniel Sinars, Chair**

8:30Thomas Sunn Pedersen—Max Planck Institute, Germany R

 8:45 Nagato Yanagi – National Institute for Fusion Science, Japan R

 9:00 Michael Zarnstorff – Princeton Plasma Physics Laboratory R

9:15 **Private Sector and Partnerships – Farhat Beg, Chair**

 9:15 Michl Binderbauer – CEO TAE Technologies R

 9:30 David Kingham – Executive Vice Chairman – Tokamak Energy, UK R

 9:45 Christofer Mowry -- CEO General Fusion, Canada

 Represented by Ryan Guerrero, CTO, General Fusion, Canada

 10:00 Bob Mumgaard – CEO, Commonwealth Fusion Systems R

 10:15 Taka Nagao (CEO) & Richard Pearson (Co-Founder), Kyoto Fusioneering

 10:30 Andrew Holland – CEO Fusion Industry Association

10:45 Break

11:15 Ben Levitt – Zap Energy R

11:30 Derek Sutherland – CEO, CTFusion R

11:45 Hafiz Rahman – President, MIFTI

12:00 Lunch

1:00 Adam Rosenberg and Hilary O’Brien – R

 Energy Subcommittee, House Science, Space and Technology Committee

1:30 **Perspectives – Wayne Solomon, Chair**

 1:30 David Babineau – Director, Tritium Technology Division, SRNL

 1:50: Farhat Beg – Director, Center for Energy Research, UCSD

 2:10 Siegfried Glenzer – Director, High Energy Density Science, SLAC R

 2:30 John Kline – Manager, FES and NNSA Fusion Research, LANL

 2:50 Harry McLean – Leader, Fusion Energy Sciences, LLNL R

 3:10 Thomas Schenkel – Program Head for Fusion Science and Ion Beam

 Technology, LBNL R

3:30 **Wrap-up -- Steve Dean, Chair**

(3:30) Kramer Akli – Fusion Energy Sciences, DOE (15 minutes) LaserNetUS R

(3:45) Harry Kelso and Steffi Diem– USFusionEnergy.org (10 minutes)

(3:55) Marcel Gaudreau – Diversified Technologies, Inc. (10 minutes)

(4:05) Stephen O. Dean – Fusion Power Associates

4:05 Adjourn