



# **PRESENTATION OF AWARDS**

**Stephen O. Dean, President  
Fusion Power Associates**

**Fusion Power Associates  
Annual Meeting and Symposium  
December 4-5, 2018**

# **DISTINGUISHED CAREER AWARDS**

**Fusion Power Associates Distinguished Career Awards were established in 1987 to recognize individuals who have made distinguished lifelong career contributions to fusion development**

**The 2018 Awards are presented to**

**Nathaniel J. Fisch**

**and**

**David A. Hammer**



# DISTINGUISHED CAREER AWARD

In selecting **Dr. Fisch**, the FPA Board of Directors recognizes his many years of dedication to advancing the prospects for fusion power.

The Board especially notes his many years of dedication to plasma science and its applications in many fields and especially for his decades of career contributions as a scientist and role as an educator of a generation of younger scientists, upon whose shoulders the future of plasma science and fusion depends.



# **DISTINGUISHED CAREER AWARD**

In selecting **Dr. Hammer**, the FPA Board of Directors recognizes his many years of dedication to advancing the prospects for fusion power.

The Board especially notes his dedication to plasma science and its applications in many fields, and especially for his decades of outstanding career contributions to the fields of pulsed power, the science of high energy density plasma and its applications, and his role as an educator of a generation of younger scientists, upon whose shoulders the future of plasma science and fusion depends".



# 2018 LEADERSHIP AWARD

- Fusion Power Associates Leadership Awards were established in 1980 to recognize individuals who have provided outstanding leadership in accelerating the development of fusion power.
- 2018 Leadership Awards are presented to **Dr. Dennis G. Whyte** of MIT and to **Dr. Sean Regan** of the University of Rochester Laboratory for Laser Energetics.



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**In selecting **Dr. Whyte** the Board recognizes the leadership he is providing to the worldwide quest for fusion power**

**The Board especially recognizes the emphasis he is providing to seeking continued improvements in both scientific and engineering foundations that will improve the prospects for fusion's commercial success**



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**In selecting **Dr. Regan**, the FPA Board of Directors recognizes the outstanding leadership he is providing to the inertial confinement fusion effort.**

**The Board especially recognizes the scientific contributions he has provided to the experimental program on the OMEGA laser facility and the leadership he is providing to the national program in his role as co-chair of the National Implosion Stagnation Physics Working Group.**



# 2018 EXCELLENCE IN FUSION ENGINEERING AWARD

Fusion Power Associates Excellence in Fusion Engineering Awards, **in memory of MIT Professor David J. Rose**, were established in 1987 to recognize persons in the relatively early part of their careers who have shown both technical accomplishment and potential to become exceptionally influential leaders in the fusion field.





**2018 Excellence in Fusion Engineering  
Awards are presented to**

**Dr. Chad M. Parish**

**of Oak Ridge National Laboratory**

**and to**

**Dr. Wayne M. Solomon**

**of General Atomics**



**In selecting **Dr. Parish**, the Fusion Power Associates Board of Directors recognizes his many scientific contributions to advance microstructural characteristics of materials for fusion energy applications, including the surface morphology evolution of tungsten, and the productive collaborations he has established with other institutions in this important field of research**



**In selecting **Dr. Solomon**, the Fusion Power Associates Board of Directors recognizes his development of unique diagnostic capabilities and pioneering contributions towards the understanding of momentum transport and intrinsic rotation generation and discovery of experimental access to the super H-mode regime, and for his leadership as the Deputy Director of the DIII-D National Fusion Program.**



# **2018 SPECIAL AWARDS**

**FPA Special Awards have been presented periodically since 1980 to persons who have made special contributions to the cause of fusion power development.**

**2018 Special Awards are presented to two members of the DOE Office of Fusion Energy Sciences**

**Stephen A. Eckstrand  
and  
Mark S. Foster**



In selecting **Dr. Eckstrand**, the FPA Board of Directors recognizes and expresses its appreciation for his managerial and programmatic contributions to the magnetic fusion program through his leadership in managing the Alcator C-Mod experiment; the Tokamak Fusion Test Reactor program when it achieved 10 MW of deuterium-tritium fusion power; the National Spherical Torus Experiment program; and initiating and managing international collaboration teams on superconducting tokamaks. He also supported the management of the theory and SciDAC programs, the U.S. Burning Plasma Organization, U.S. participation in the International Tokamak Project Activities, and shaped overseas research agreements through the International Fusion Research Council.



In selecting **Dr. Foster**, the FPA Board of Directors recognizes and expresses its appreciation for managerial and programmatic contributions he has made to advancing magnetic confinement fusion through his effective oversight of the DIII-D National Fusion Program spanning three decades, while more recently providing oversight of the C-Mod Program at MIT, the NSTX-U ST Program at PPPL, and the Measurement Innovations Program. During his tenure, Dr. Foster has been instrumental in growing the number of university participants engaged in research on the major facilities through new awards. The programs managed by Dr. Foster made significant advances in Fusion Energy development across a number of areas, leading to increased confidence that ITER will meet its objectives for fusion energy development, and provided the scientific infrastructure that trained many of the current and the next generation of fusion research leaders.

