

Collaborative Fusion Energy Research in the DIII-D National Program – Awards List

<u>Principal Investigator</u>	<u>Institution</u>	<u>City/State</u>	<u>Project Title</u>
Oliver Schmitz	University of Wisconsin-Madison	Madison, WI	Enhanced plasma edge characterization for investigation of helicon wave coupling and neutral compression with the SAS divertor at the DIII-D U.S. National Fusion Facility
Choong-Seock Chang	Princeton University	Princeton, NJ	Unraveling the Physics of the L-H Transition through Synergistic DIII-D Experiments, First Principles Global Simulations, and Advanced Reduced Transition Models
Lothar Schmitz	University of California, Los Angeles	Los Angeles, CA	Unraveling the Physics of the L-H Transition through Synergistic DIII-D Experiments, Validation of First Principles Simulations, and Advanced Reduced Transition Models
William Heidbrink	University of California, Irvine	Irvine, CA	Energetic-particle driven instabilities and transport
Tatyana Sizyuk	Purdue University	West Lafayette, IN	Integrated Modeling of DIII-D Divertor/DiMES-Probe Materials Erosion/Redeposition/Migration
Miklos Porkolab	Massachusetts Institute of Technology	Cambridge, MA	Measurement of Helicons and Parametric Decay Waves in DIII-D with Phase Contrast Imaging
Gerald Navratil	Columbia University	New York, NY	MHD Mode Control Research in DIII-D
Jose Boedo	University of California, San Diego	La Jolla, CA	Boundary Physics and Disruptions Research at DIII-D
Eugenio Schuster-Rosa	Lehigh University	Bethlehem, PA	Toward ITER-like Advanced Scenario Control Integration in DIII-D
David Ennis	Auburn University	Auburn, AL	Erosion and Re-Deposition Spectroscopic Diagnostic Developments for High-Z PFCs in DIII-D