

DOE Webinar - Archived

Hydrogen Fuel Cells for Small Unmanned Air Vehicles

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Abstract: This webinar highlighted the Naval Research Laboratory's (NRL's) incorporation of fuel cells into their small unmanned air vehicles, and the resulting fuel and energy saving benefits of this technology. NRL has contributed to fundamental and applied fuel cell technology research for well over a decade and has collaborated with the Fuel Cell Technologies Office through interagency working groups.

Biography: Dr. Karen Swider-Lyons is a section head in the Chemistry Division at the United States Naval Research Laboratory in Washington DC where she leads several research programs, and manages materials and systems. Her present work focuses on using hydrogen fuel cells for long endurance energy efficient unmanned air vehicles. In 2010, she received Dr. Delores M. Etter Top Scientist award from the Navy for Ion-Tiger, long-endurance UAV. She studied Chemistry as an undergraduate at Haverford College and earned her Ph.D. in Materials Science and Engineering from the University of Pennsylvania in 1992. She also serves as a technical consultant on DARPA fuel cell programs. Dr. Swider-Lyons is a member of the Materials Research Society, the Electrochemical Society, and the International Society for Solid State Ionics.

When: Tuesday, January 17th, 2017 at 11 am

Where: CB#204W