

innovations in Fuel Cycle Research

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2011 Innovations in Fuel Cycle Research Award Winners Announced

CANYON, TX – Two Texas A&M University students have won awards in the U.S. Department of Energy’s Innovations in Fuel Cycle Research Awards competition.

Adam Parkison, a Ph.D. student in Nuclear Engineering, has been awarded a first place prize in the category of Nuclear Fuels. His award-winning research paper, “Hydride Formation Process for the Powder Metallurgical Recycle of Zircaloy from Used Nuclear Fuel,” was published in the journal Metallurgical and Materials Transactions A in January 2011.

William Sames, a master’s degree student in Materials Science, has been awarded a prize in the Undergraduate category. His award-winning research paper, “Voloxidation Modeling and Code Development,” was presented at the 2011 Waste Management Symposium in February. The research was performed and the paper was written while Sames was an undergraduate student in Nuclear Engineering at Texas A&M University.

The academic community plays a vital role in helping to develop the advanced nuclear technologies that will help sustain and further expand nuclear power in the United States. The Innovations in Fuel Cycle Research Awards program supports academia and the goal of the Department of Energy Office of Nuclear Energy to develop sustainable nuclear fuel cycle options by encouraging innovative research in fuel cycle related disciplines.

The Innovations in Fuel Cycle Research Awards program is designed to: 1) award graduate and undergraduate students for innovative fuel-cycle-relevant research publications, 2) demonstrate the Office of Fuel Cycle Technologies’ commitment to higher education in fuel-cycle-relevant disciplines, and 3) support communications among students and DOE representatives.

The program awarded 26 prizes in 2011 for student publications and presentations relevant to the nuclear fuel cycle. In addition to cash awards, winning students will have a variety of other opportunities including presenting their winning publication during the American Nuclear Society Winter meeting, participating in an Innovators’ Forum, and participating in the DOE Office of Fuel Cycle Technologies Annual Meeting.

For more information on the Innovations in Fuel Cycle Research Awards program, visit <http://www.fuelcycleinnovations.org>.