



# American Nuclear Society Connecticut Section Dinner Meeting – October 23<sup>th</sup> 2014



## “Development of a Zirconium Hydride Moderated Molten Salt Fueled Reactor”

Please join us in welcoming **Dr. Leslie Dewan**, co-founder and Chief Scientist of Transatomic Power, who are developing a new, thermal-spectrum molten salt reactor that uses zirconium hydride as a moderator and LiF-(Actinide)F<sub>4</sub> as fuel. The new salt and moderator gives the reactor a 20-fold power density over MSRE, and can be fueled by spent nuclear fuel.

Dr. Dewan graduated from MIT in 2013 with a Ph.D. in nuclear engineering, with a research focus on computational nuclear materials. Leslie has been awarded a Department of Energy Computational Science Graduate Fellowship and an MIT Presidential Fellowship. She was named a TIME Magazine "30 People Under 30 Changing the World" in December 2013, and MIT Technology Review "Innovator Under 35" in September 2013, and a Forbes "30 Under 30" in Energy in December 2012.

**University of Hartford**  
200 Bloomfield Ave  
West Hartford, CT 06117  
**Room to be announced**  
Thursday, Oct 23rd 2014  
6:00 PM – Buffet Dinner  
6:45 PM – Speaker

**A Family Style Catered  
Dinner from Concetta's  
Italian Restaurant**  
**[www.concettas-italian.com](http://www.concettas-italian.com)**  
\$15 for Non-members &  
members paying at the door  
\$10 for Section Members  
\$5 for Students

Please RSVP by October 17<sup>th</sup> to  
Steve Szarek 860-731-6313 or [szareksw@westinghouse.com](mailto:szareksw@westinghouse.com)  
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