

# PROF. JANELLE WHARRY RECEIVES PRESTIGIOUS RALPH E. POWE JUNIOR FACULTY ENHANCEMENT AWARD



Janelle Wharry, assistant professor of nuclear engineering, has been selected to receive a Ralph E. Powe Junior Faculty Enhancement Award from Oak Ridge Associated Universities. This prestigious award provides seed money for research by junior faculty at ORAU member institutions with the intention to enrich the quality of research and professional growth of young faculty.

**Read more:** [bit.ly/wharryORAU](http://bit.ly/wharryORAU)

# STUDY ABROAD TRIPS PROVIDE EXCEPTIONAL EXPERIENCES



During the month of May, two NE faculty members lead groups of students on separate study abroad opportunities that not only provided an extensive list of educational benefits but also exposure to different sites and cultures. Prof. Hany Abdel-Khalik and 15 students traveled to the Netherlands for a series of lectures covering the basics of data mining, big data analytics, machine learning, dimensionality reduction, uncertainty quantitation, and statistical inference. Prof. Janelle Wharry led a group of 20 students, on a two-week experience to Vienna, Austria and Kiev, Ukraine to study the environmental effects of nuclear power production.

**Read more:** [bit.ly/studyab18](http://bit.ly/studyab18)



## Nuclear Engineering

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## PROF. JANELLE WHARRY RECEIVES \$1.6 MILLION IN NEUP GRANTS

School of Nuclear Engineering Assistant Professor, Janelle Wharry will receive nearly \$1.6 million for two projects thanks to the U.S. Department of Energy's Nuclear Energy University Programs (NEUP). NEUP provides top engineering faculty and their students a means to continue progressive nuclear research activities by providing large-scale grants.

Read more:  
[bit.ly/wharryneup](http://bit.ly/wharryneup)

Legend has it that the unit 'barn' was established in 1942 by physicists M.G. Holloway and C.P. Baker while they were having dinner at the Purdue Memorial Union. They came up with the name because  $10^{-24}\text{cm}^2$  is "as big as a barn" for a nuclear reaction process. Professor Alex Sesonske (School Head, 1966-1973) taught in his class that the term came from the common Midwest expression, "someone was such a bad shot at hunting that they couldn't hit the broad side of a barn," implying that the probability of neutrons passing through nuclei to cause fission is so rare, their aim could be equated to that of bad hunters. Hope you enjoy the news. Boiler up!

## SEUNGJIN KIM APPOINTED TO DOE NUCLEAR ENERGY ADVISORY COMMITTEE



Seungjin Kim, the Capt. James McCarthy, Jr. and Cheryl E. McCarthy Head of the School of Nuclear Engineering, has been appointed to the U.S. Department of Energy's (DOE) Nuclear Energy Advisory Committee (NEAC). In this new role, Kim will meet biannually with the 25 other committee members to advise the Secretary and the Assistant Secretary for Nuclear Energy on a number of issues.

Read more: [bit.ly/kimneac](http://bit.ly/kimneac)



## PROF. ALLEN GARNER RECEIVES GRANT FROM NASA FOR SPACECRAFT EVALUATIONS

NE Assistant Professor, Allen Garner, in collaboration with Eagle Harbor Technologies Inc., has received funding from NASA to pursue research in developing a precision eddy-current sensor for nondestructive evaluation of spacecraft structures.

Read more:  
[bit.ly/garnerNASA](http://bit.ly/garnerNASA)

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