

MECHANICAL & AEROSPACE ENGINEERING GRAD STUDENT SEMINAR

Coming to our Cryogenic Senses

Friday, September 25
11:00 AM
AME Room 106

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ABSTRACT: Fusion, quantum computing, aerospace, particle physics, clean energy, superconductivity, and advanced medicine – many of the most in-demand fields require the increasingly rare skill set known as cryogenic engineering. The stuff of science fiction and an outsized share of Nobel Prizes, you may be surprised to learn that most of us benefit from cryogenic technologies every day. However, I have yet to meet a young person who originated the dream of mastering cryogenics. This talk will attempt to bring us to our cryogenic senses – quite literally. By gaining a sense of cryogenic phenomena, we can engineer systems and develop the workforce that will, quite literally, propel humanity into the next century.

BIO: Jacob Leachman is a Professor in the School of Mechanical and Materials Engineering at Washington State University (WSU) and founding director of the Hydrogen Properties for Energy Research (HYPER) Laboratory. He earned a B.S. degree in Mechanical Engineering in 2005 and a M.S. degree in 2007 from the University of Idaho. His master's thesis has been adopted as the foundation for hydrogen fueling standards and custody exchange, in addition to winning the Western Association of Graduate Schools Distinguished Thesis Award for 2008. He completed his Ph.D. in the Cryogenic Engineering Laboratory at the University of Wisconsin-Madison in 2010.



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