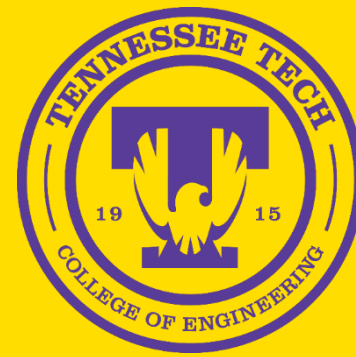





Fall 2017 New Faculty Research Seminar Series



4:30–5:30 p.m., Prescott Hall 225

Date	Speaker	Seminar Title	General Research Area(s)
<p>Tuesday, Oct. 3</p> 	<p>Yunbo “Will” Zhang, Ph.D. Assistant Professor Mechanical Engineering</p> <p><i>Zhang received his Ph.D. degree in the Department of Mechanical and Automation Engineering at the Chinese University of Hong Kong. He is a member of the American Society of Mechanical Engineers (ASME) and Institute of Electrical and Electronics Engineers (IEEE). He is actively serving on review panels for conferences and journals in his field. He served as a post-doctoral researcher at Purdue University before joining Tennessee Tech. He has published 11 journal articles and eight conference papers.</i></p>	<p><i>Design for Additive Manufacturing: Towards Direct Digital Manufacturing</i></p>	<p>Design for additive manufacturing, computer-aided design and manufacturing, human-centered design and manufacturing, and geometric and solid modeling</p>
<p>Tuesday, Nov. 7</p> 	<p>Charles Van Neste, Ph.D. Assistant Professor Center for Energy Systems Research</p> <p><i>Van Neste obtained his Ph.D. in Electrical Engineering from Tennessee Tech in 2009 followed by a post-doctoral fellowship at the Oak Ridge National Laboratory. In 2011, he accepted a position to lead an energy research program as part of a Canada Excellence Research Chairs Grant in the Department of Chemical and Materials Engineering at the University of Alberta, Canada. He currently holds 11 fully granted patents with three patents pending, 17 journal publications, eight conference proceedings, and one book chapter.</i></p>	<p><i>Quasi-Wireless Capacitive Power Transfer and Its Applications</i></p>	<p>Wireless and quasi-Wireless power transfer, unipolar capacitive and single wire systems, high frequency inverter design, alternative energy harvesting, electronic instrumentation, electromagnetic interactions.</p>
<p>Thursday, Nov. 16</p> 	<p>Ahmad Vasselbehagh, Ph.D. Assistant Professor Mechanical Engineering</p> <p><i>Vasselbehagh received his Ph.D. in Mechanical Engineering from University of Windsor, Canada, while receiving the prestigious Ontario Trillium Scholarship from the Government of Ontario for four continuous years. He has published his research in a book chapter and several scientific journals including Journal of Fluid Mechanics, Physical Review E, Computers & Fluids, and Applied Energy and has served as an editor of Sustainable Energy Technologies and Assessments (Elsevier) and has organized several symposiums and conferences.</i></p>	<p><i>Wind Farm Layout Optimization</i></p>	<p>Hydrodynamics of mechanical energy storage technologies, particularly, underwater energy storage plants</p>

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