

SEMINAR ANNOUNCEMENT - DECEMBER 1, 2017

INVENTIVE ENGINEERING HUMAN AND MACHINE CREATIVITY

ABOUT LITE

The mission of the Laboratory for IT Entrepreneurship (LITE) is to promote entrepreneurship in Information Technology across the Mason community and guide IT ventures from idea to launch.

WHAT WE OFFER

- Seminars & Workshops
- Advising
- Competitions
- Funding
- Courses
- Opportunities to connect
- Access to resources



For questions, email
lite@gmu.edu

SPEAKER: Tomasz Arciszewski, Professor Emeritus, George Mason Univ.

WHEN: Friday, December 1, 2017, from 12:00pm to 1:00pm

WHERE: Engineering Building, Room 3507, Fairfax Campus

ABSTRACT

The notion of creativity is not well understood, particularly within the fields of engineering and design. The talk will introduce a general explanation of creativity as well as its specific application in engineering — particularly the development of patentable inventions. Also, the speaker will discuss various forms of both human and machine creativity with several examples related to his inventions in the areas of the steel skeleton structures in tall buildings and large span steel space roof structures.

SPEAKER INFORMATION

Dr. Arciszewski is a Professor Emeritus at George Mason University. He is a global scholar with experience that spans 5 continents and 24 countries. His life mission is to inspire and educate professionals, and especially engineers, in becoming more creative thus enabling them to serve humanity in an expanded capacity, not only as analysts but also as inventors. Dr. Arciszewski's formal academic background is in the area of Structural Engineering and Mechanics. Over his academic career, he became increasingly interested in Inventive Engineering, Automated Knowledge Acquisition (Machine Learning), Evolutionary Computation and Designing, and Education. His interdisciplinary signature courses on Inventive Engineering at Mason attracted graduate and undergraduate for more than 15 years.