

SEMINAR ANNOUNCEMENT - MAY 24, 2017

INVENTIVE ENGINEERING

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: Wednesday, May 24, 2017, from 12:00pm to 1:00pm

WHERE: Innovation Hall, Room 318 (MIX), Fairfax Campus

JOINTLY SPONSORED BY C2MW (CLASSROOM TO MAKER'S WEEK)

ABSTRACT

Inventive Engineering is an emerging engineering science focused on the conceptual design processes whereby inventive designs are developed. It has roots in engineering, AI, cognitive psychology, history, systems engineering and political science. The talk will present the general framework of Inventive Engineering, and will provide the outline of background knowledge, basic concepts, and the present understanding of inventive designing, including various models of the process and its several stages. Also, it will briefly introduce selected inventive methods, including Morphological Analysis, Brainstorming, Syntectics, TRIZ, and Bioinspiration.

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.