

“Can Innovativeness and Entrepreneurship be Measured? ”



Dr. Asad Azemi

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Engineering Department at the University of
Wisconsin-Platteville (UW-Platt)**

**Tuesday, October 19th, 2021
2:00 – 3:00 p.m. Olin 202
Reception in Olin 204 3:00 – 3:30 p.m.**

Abstract: Dr. Azemi, in his recent works, has investigated the relationship between entrepreneurship, innovation, and systems thinking. He has identified the key common requirements between innovation and systems thinking. He has proposed the idea of teaching systems thinking as a way to promote and enhance innovation and teaching the engineering design process as a practical way to introduce and inspire systems thinking in an engineering curriculum. He believes this addition will enhance engineering students' ability to deal with realistic, unbounded, and complex problems in a multidisciplinary environment and produce viable and robust solutions. In this talk, building on his previous works, Dr. Azemi will present a proposed quantitative method to measure the innovativeness and entrepreneurship feature of a curriculum through available assessment data. Engineering innovator characteristics are the basis for this calculation. The proposed scheme also reveals the usefulness of the combined student outcomes assessment data used for an ABET assessment process.

Asad Azemi, Ph.D. is a professor of electrical engineering and chair of the electrical and computer engineering department at the University of Wisconsin-Platteville (UW-Platt). He joined UW-Platt in 2020, after a long career at Penn State University. He has received his B.S. degree from the University of California at Los Angeles, M.S. degree from Loyola Marymount University, and Ph.D. degree from the University of Arkansas. His professional interests are in the general areas of nonlinear stochastic systems, signal estimation, decision making under uncertainty, biocomputing, engineering systems design, and engineering education. His recent works have focused on using systems design methodology to find a quantitative method to understand and measure innovativeness and entrepreneurship characteristics.