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.

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