

Industrial & Systems Engineering

Seminar Announcement

## Modeling and Deciding: What's the nature of the relationship?

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**Abstract:** In this seminar we will review the roles of models, modelers, analysts and “deciders” in complex systems. With this as a background, we will discuss our recent research and development efforts to create tools that improve the decision-making performance of organizations. In particular, we will examine some of the approaches we have taken to develop discrete event simulation models for design and operation of clinical laboratories.

**Bio:** *Joseph Heim* is a Research Scientist and lecturer in the Department of Industrial & Systems Engineering (ISE) at the University of Washington in Seattle. Dr. Heim's 30-year career in engineering, research, and education has been divided between academia and private industry. He received his Bachelor's degree in Mechanical Engineering and Master's degree in Computer Engineering and Industrial Engineering. He obtained his PhD in Industrial Engineering from Purdue University. Dr. Heim received a post-doctoral fellowship at the US National Academy of Engineering where he led an NAE study characterizing the strategies and operating policies that distinguish world class manufacturing companies.

**Tuesday, October 4, 2016**  
**1:30 – 2:20 p.m.**  
**MEB 235**