Operations Research Seminar

Simulation Modeling for Analysis

Lee Schruben

Industrial Engineering and Operations Research
University of California at Berkeley

Some possibilities for exploiting different analytical properties in different types of discrete event system simulation models are considered. Suggestions are made for how simulation analysis, considered in the explicit context of discrete event simulation models, can create new opportunities for meaningful research and more efficient modeling. Modeling decisions can play a significant role in the performance of analytical procedures. How a simulation model is designed can enable, inhibit, or even invalidate analytical procedures and methodology research results.

Bio

Lee Schruben is Chancellor's Professor and past Chairman in the Department of Industrial Engineering and Operations Research at the University of California at Berkeley. Prior to joining the Berkeley faculty, he was on the Operations Research and Industrial Engineering faculty at Cornell University where he held the A. Schultz Professorship in Engineering. He received his PhD from Yale and is a Fellow of the Institute for Management Science and Operations Research. Professor Schruben's research interests are in simulation modeling and analysis methodologies with a broad range of applications most recently focused on Biopharmaceutical production and supply chains.

Date: Thursday, April 17, 2008
Time: 15:00-16:00
Location: Glasgow 115