

**(ALMOST) PRESENT AT THE CREATION: 25 YEARS OF MODELLING AND SIMULATION
IN SEMICONDUCTOR MANUFACTURING**

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BIOGRAPHY

Reha Uzsoy holds BS degrees in Industrial Engineering and Mathematics and an MS in Industrial Engineering from Bogazici University, Istanbul, Turkey. He received his Ph.D in Industrial and Systems Engineering in 1990 from the University of Florida. His teaching and research interests are in production planning and supply chain management. Before coming to the U.S., he worked as a production engineer with Arcelik AS, a major appliance manufacturer in Istanbul, Turkey. He has also been a visiting researcher at Intel Corporation and IC Delco. He was named a Fellow of the Institute of Industrial Engineers in 2005, Outstanding Young Industrial Engineer in Education in 1997, and has received awards for both undergraduate and graduate teaching.



ABSTRACT

Over the last three decades an extensive research literature on modelling and simulation applications in the semiconductor industry has developed. Extensive relationships between academic research groups and industry have also been in evidence. This presentation will briefly review the evolution of modelling and analysis research in semiconductor manufacturing from an academic perspective, discuss its implications for academic research and industrial practice, and suggest a number of future directions for research and for more effective industry-university collaboration.