



Simulation Modeling with Simio - A Workbook

By Jeffrey A. Joines, Stephen D. Roberts

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Editorial Review

About the Author

Stephen D. Roberts is the A. Doug Allison Distinguished Professor in the Edward P. Fitts Department of Industrial and Systems Engineering at NC State University. Professor Roberts received his Ph.D., M.S.I.E., and B.S.I.E. (with Distinction) from the School of Industrial Engineering at Purdue University. He has been a faculty member at NC State University since 1990, serving nine years as Department Head of the Department of Industrial Engineering and three years as Interim Director of the Integrated Manufacturing Systems Engineering Institute.

He has held Kaiser Aluminum Fellowship and a NDEA Title IV Fellowship. He received the AIIE 1967 Graduate Research Award, Outstanding Paper Award at the 12th Annual Simulation Symposium, the Pritsker and Associates Outstanding Undergraduate Teaching Award in the Purdue School of Industrial Engineering, the CA Anderson Outstanding Teacher in the NCSU Department of Industrial and Systems Engineering, the Outstanding Teacher from the NCSU college of Engineering, membership of the NCSU Academy of Outstanding Teachers, the Gertrude M. Cox Award for Transformative projects from NC State University (with Professor Joines), the Distinguished Service Award from iNFORMS College on Simulation, and has served as member, Vice- Chair, and Chair of the Winter Simulation Conference (WSC) Board of Directors representing TIMS (now INFORMS) College on Simulation, and Secretary, Vice-President/Treasurer President, and Past-President of the WSC Foundation Board. He was the Proceeding Editor for the 1983W SC, the Associate Program Chair in 1985, and Program Chair in 1986. He has been a WSC presenter session chair, track coordinator, and keynote speaker.

Jeffrey A. Joines is an Associate Professor and the Associate Department Head of Undergraduate Programs in the Department of Textile Engineering, Chemistry, and Science at NC State University. He received a B.S. in Electrical Engineering and B.S. in Industrial Engineering, a M.S in industrial Engineering, and Ph.D, in Industrial Engineering, all from NC State University. He received the 1997 Pritsker Doctoral Dissertation Award from the Institute of Industrial Engineers. His research interests include supply chain optimization utilizing computer simulation and computational optimization methods. Dr. Joines teaches graduate and undergraduate classes in computer information systems, computer-based modeling in Excel and VBA, and computer simulation for Six-Sigma. Dr. Joines has also teaches industry programs in the areas of Design for Six Sigma, Simulation and Six Sigma, and Data Management to assist in Six Sigma through the Textile Extension programs Six Sigma Black Belt and Master Black Belt program.

Dr. Joines is involved in utilizing technology in the classroom and how it impacts problem solving. He was awarded the NC State University Outstanding Teaching Award and College of Textiles Outstanding Teacher which allowed him to become a member of the Academy of Outstanding Teachers. In 2009, Dr. Joines (along with Professor Roberts) was awarded the Gertrude Cox Award for Innovative Excellence in Teaching and Learning with Technology for Transformative Large Scale projects.

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