BOOKS

Journal Papers:


48. S. Patel and T. Sobh, "Online Automation and Control: An Experiment in Distance Engineering Education", in the Journal of Online Engineering, Volume 2, Number 3, August 2006.

49. S. Patel and T. Sobh, " Laboratory Corner Paper: Online Automation and Control; An Experiment in Distance Engineering Education." In the IEEE Magazine on Robotics and Automation, Volume 13, Number 4, pp 91-95, December 2006.


Conference Papers:

8. Kongar, E., Sobh, T., “Are We Accepting the Right Students to Graduate Engineering Programs: Measuring The Success Of Accepted Students Via Data Envelopment Analysis”, American Society for Engineering Education (ASEE) Conference, Pittsburgh PA, June 2008.


45. Tarek M. Sobh and Xiao Hong Zhu, “Visualization of Tolerance for Manufacturing,” Accepted for presentation in the 14th World Congress of the International Federation of Automatic Control (IFAC), Beijing, P. R. China, July 1999.

46. Tarek M. Sobh, Xiao Hong Zhu, and Beat Bruderlin, “Analysis of Tolerance for Manufacturing Geometric Objects from Sensed Data,” Accepted for presentation in the 14th World Congress of the International Federation of Automatic Control (IFAC), Beijing, P. R. China, July 1999.


63. T. M. Sobh, “Modeling and Recovering Uncertainties in Sense Date,” In proceedings of the Sixth International Symposium on Measurement and Control in Robotics (ISMCR 96), Brussels, Belgium, May 1996.


Books:


Technical Reports:
Published over 40 Technical reports at:

- Alexandria University
- University of Pennsylvania
- University of Utah
- University of Bridgeport

SAMPLE OF PAST INVITED TALKS, SEMINARS, PANELS, COLLOQUIA, LECTURES & COURSES

- University of Utah, December 1991.
- Institute of National Economy, Ternopil, Ukraine, September 1991
- California State University at Fresno, California, March 1992.
- CAD/CAM group, University of Utah, November 1992.
- Computer Science Department Colloquium, University of Utah, November 1993.
- Monmouth University, April 1995.
- University of Texas at San Antonio, April 1995.
- University of Bridgeport May 1995.
• Polytechnic University, New York, February 1996.
• Future Engineering Systems, Utah, July 1996.
• Invited Panel member on Collaborative Power Engineering for the 1997 IEEE PICA Conference, Columbus, Ohio.
• University of Connecticut, January 1997.
• California State University Fresno, April 1997.
• San Jose State University, June 1997.
• The Instituto Tecnolico y de Estudios Superiores de Monterrey, Campus Estado de Mexico (ITESM CEM) (Technological Institute and Superior Studies of Monterrey), Ixtapa, Mexico, October 1997.
• Texas A&M University, College of Engineering, May 2001.
• Merit International Institute of Technology, Ooty, India, September 2000 and July 2001.
• City University of New York, October 2003.
• Pennsylvania State University, October 2003.
• Virginia State University, 2003.
• North Carolina Central University, 2003.
• Wichita State University, 2003.
• Rensselaer Polytechnic Institute, Hartford Graduate Center, November 2003.
• Henry Cogswell College, December 2003.
• Bradley University, 2003.
• Point Park University, 2003.
• Western Michigan University, 2003.
• Texas A&M University, Commerce, TX, 2003.
• American University in Sharjah, UAE, 2003.

SAMPLE OF INVITED KEYNOTE SPEECHES AND ACADEMIC CONFERENCE & WORKSHOP PRESENTATIONS

• Invited Presentation, KCG College of Technology, India, September 2010.
• Invited Presentation, Dhaanish Ahmed College of Engineering, India, September 2010.
• Invited Presentation, DMI College of Engineering, India, September 2010.
• Invited Presentation, New L J College of Commerce, India, September 2010.
• Invited Presentation, Sabar Institute of Management, India, September 2010.
• Invited Presentation, Indus Institute of Technology & Engineering, India, September 2010.
• Invited Presentation, G H Patel College of Engineering and Technology, India, September 2010.
• Invited Presentation, ARIBAS College, India, September 2010.
• Invited Presentation, SECOM- Management College, India, September 2010.
• Invited Presentation, Birla Vishvakarma Mahavidhyala (BVM) College, India, September 2010.
• Invited Presentation, Annamacharyya Institute of Technology and Science, India, September 2010.
• Invited Presentation, Nalla Malli Reddy Engineering College, India, September 2010.
• Invited Presentation, Krishna Murthy Institute of Technology and Engineering, India, September 2010.
• Invited Presentation, Osmania University, India, September 2010.
• Invited Keynote Speaker, Ministry of Science and Technology, Brazil, VI-GESITI Congress (Management of Systems and Information Technology in Organizations), Campinas City, Brazil, June 2010.
• Keynote Speaker, the 2009 International Conference on Industrial Electronics, Technology & Automation (IETA 2009), "Research and Education Directions in Robotics, Intelligent Sensing and Mechantronics", December 2009.

Plenary session speaker, Sixth International Conference on Remote Engineering and Virtual Instrumentation, (REV2009), University of Bridgeport, CT, June, 2009.

Invited Keynote Speech, IEEE Symposium, University of Bridgeport, CT, April 2009.

Plenary Session Speaker, American Society for Engineering Education, (ASEE 2009), Northeast Section Conference, University of Bridgeport, CT, April 2009.

Invited Keynote Speaker, Fourth International Conference on Intelligent Computing and Information Systems (ICICIS 2009), Ain Shams University, Cairo, Egypt, March 2009.


Invited Keynote Speech - International Conference on Computers, Controls and Communication, National University of Science and Technology, Pakistan, November 2007


Invited Talk - International Conference – Remote Engineering and Virtual Instrumentation (REV), University of Porto, Portugal, June 2007

Invited Keynote Speech - Interactive Computer Aided Blended Learning (ICBL), Florianopolis, Brazil, May 2007


Invited Keynote Speaker, NATO ARW Workshop, Lviv, Ukraine, September 2003.


Invited Plenary talk, Merit International Institute of Technology, Engineering School Opening Ceremony, Ooty, India, September 2000.


“Robotics in the Next Millennium”, “6th Simposio Internacional de Sistemas Computacionales” (6th International Computer Systems Symposium). Invited by the Asociacin de Estudiantes de Sistemas Computacionales (AESC) (Computer Systems Students Organization), The Instituto Tecnolico y de Estudios Superiores de Monterrey, Campus Estado de Mexico (ITESM CEM) (Technological Institute and Superior Studies of Monterrey), Ixtapa, Mexico, October 1997.
• “Introducing Laboratory-Based Classes in Distance Learning Programs,” Center for Teaching Excellence, California State University, April 1997.
• “Prototyping Activities in Robotics, Control, and Manufacturing,” invited presentation, Department of Defense Software Technology Support Center (DoD STSC) Annual Symposium, Salt Lake City, April 1994.
• “Utah Robot Kit (URK) and the Utah Prototyping Environment (UPE).” Included in the IEEE International Conference on Robotics and Automation, Workshop on Advanced Manufacturing, San Diego, May 1994.
• “Prototyping Hybrid Distributed Control Schemes for Sonar-Based Mobile Robots,” 10th IEEE International Symposium on Intelligent Control (ISIC 95), Monterey, California, August 1995.
• “Prototyping Activities at the University of Utah,” invited demonstration at the University of Chicago during the NSF CISE Infrastructure annual meeting, June 1993.

SAMPLE OF PAST ACADEMIC CONFERENCE & WORKSHOP RESEARCH PRESENTATIONS

• “Are We Accepting the Right Students to Graduate Engineering Programs: Measuring the Success of Accepted Students Via Data Envelopment Analysis”, American Society for Engineering Education (ASEE) Conference, Pittsburgh PA, June 2008.
• “Online Automation and Control: An Experiment in Distance Engineering Education”, the International Remote Engineering, Virtual Instrumentation Symposium (REV 06), Maribor, Slovenia, June, 2006.
• “Case Studies in Web-Controlled Devices and Remote Manipulation: Laboratory-Based Distance Learning”, the 8th International Symposium on Manufacturing with Applications (ISOMA ’02), Florida, May 2002.
• “Fully Autonomous Web Based Virtual Robot Prototyping and Manufacturing”, the 8th International Symposium on Manufacturing with Applications (ISOMA ’02), Orlando, Florida, May 2002.
• “Modeling and Recovering Uncertainties in Sense Date.” *Sixth International Symposium on Measurement and Control in Robotics (ISMCR 96)*, Brussels, Belgium, May 1996.
• “A Model for Shape and Motion Perception,” *SPIE Conference on Mobile Robots*, November 91.
• Structure and Motion in the “Moving Blocks World.” IASTED International Conference on Adaptive Control and Signal Processing, October 1990.