

CONTACT INFORMATION:

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PERSONAL BACKGROUND AND CONTRIBUTIONS TO PROFESSION:

Ferat Sahin (S'96, M'00) received his M.Sc. and Ph.D. degrees from Virginia Polytechnic Institute and State University in 1997 and 2000, respectively. In September 2000, he joined Rochester Institute of Technology, where he is a Professor. He is also the director of Multi Agent Bio-Robotics Laboratory at RIT. His current research interests are Collaborative Robotics, Human Compliant Robotics Systems, System of Systems Simulation and Modeling, Machine Learning, Biological Signal Processing, Fault Analysis and Systemic Health Evaluation, MEMS Materials Modeling, Multi Probe Nanoindentation, Distributed Multi-Agent Systems, and Structural Bayesian Network Learning. His research has been supported by national research agencies and industrial companies. Recently his work in Systemic Health Evaluation has been supported by a major US company in RF Generators and a startup company that has developed a system to monitor the health of equine animals. Currently, his research in Collaborative Robotics and Human Compliant Robotics is funded by three industrial company sponsors. Majority of his research funding has been coming from Industrial sponsors for the last five years. He has received over 2 Million Dollars research funding for the last 10 years. In addition to over 100 conference and journal publications in these areas, he is also the co-author of two books: "Experimental and Practical Robotics" and "Intelligent Control Systems with an Introduction to System of Systems Engineering" by CRC Press. He has been a reviewer for leading journals and conferences in both the IEEE and other organizations. He served as the Deputy Editor-in-Chief for International Journal of Computers and Electrical Engineering from 2011 to 2015. He has served as an Associate Editor for IEEE Systems Journal (2012-20120), IEEE SMC Society Magazine (2015 – Present), and AutoSoft Journal (2010 – Present).

CONTRIBUTIONS TO THE SMC SOCIETY AND IEEE:

Ferat Sahin is a member of the IEEE Systems, Man, and Cybernetics Society, Robotics and Automation Society, and Control Systems Society. Locally, he has served as Secretary (2003) and section Vice-chair (2004 and 2005) in the IEEE Rochester Section. He has also been the Faculty Advisor of IEEE student chapter at Rochester Institute of Technology from 2001 to 2003. He started his SMC Society services as the Student Activities chair of the society in 2001, 2002, and 2003. He was the Secretary of the IEEE SMC Society from 2003 to 2006. He has received an "Outstanding Contribution Award" for his service as the SMC Society Secretary in 2006. He was the Gold Coordinator for IEEE SMC Society in 2008. He was also a member of the SMC Strategic Opportunities and Initiatives Committee (2011 – Present). He was the Treasurer of IEEE Systems, Man, and Cybernetics Society (2010 – 2011). He is the co-chair of SMC Technical Committee on System of Systems Engineering (2011 - Present). He has received an "Outstanding Contribution Award" in 2015. He is currently the Vice President for Finance and a member of SMC Society Board of Governors. He has been involved with SMC annual conferences as reviewer, program committee member, and various roles in conference organization committee for the last 15 years. He was also involved with other IEEE conferences such as system of systems engineering (SoSE) conferences. He was the Publication Co-Chair for

the IEEE International Conference on System of Systems Engineering (SoSE 2007). He served as the Technical Co-chair of the IEEE International Conference on System of Systems Engineering (SoSE 2008 and SoSE 2009). He was the general co-chair of the International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control in 2009. He has served as tutorials co-chair for IEEE SMC2010 annual conference. He served as the general chair of SoSE conference in 2010, 2011, 2013, 2015, and 2017. He also served as Finance chair for SoSE conference in 2011, 2013, and 2015.

POSITION STATEMENT

If elected, I would help the society become more financially sound and make sure to maximize the benefit of the members from the Society reserves while maintaining the financial health of the society. I will improve the financial planning efficiency of the Society in order to maintain consistent support for the activities organized by the members for the members. I will also help the Society by creating operating procedures for society finances in order to make sure that the continuous financial health of the society is achieved. I would like to improve the understanding of society income and expense in the budget, particularly, publication costs, publication income, page count efficiency for the transactions, and conferences. I believe my SMC experience as the student activities chair, secretary, treasurer, and VP Finance will help me work on the these challenges and establish a concrete role for the VP Finance position for SMCS. I would like to thank the nomination committee and the SMCS BoG for considering me for the VP Finance position and I will do my best to help SMC Society achieve its financial goals.

A SMC member in good standing (Y/N)? Y

Willingness and ability to devote the time and effort to serve (Y/N)? Y