

**IEEE SMC Society, VP of Systems Science and Engineering
Candidate Statement for Rodney Roberts**

Contact Details

Rodney Roberts
Department of Electrical and Computer Engineering
Florida State University
2525 Pottsdamer Street
Tallahassee, Florida 32310-6046
(850) 410-6458
(850) 410-6479 (fax)
rroberts@eng.fsu.edu

IEEE Member Number: 00033779

Contributions to the Profession

Rodney Roberts received B.S. degrees in Electrical Engineering and in Mathematics from the Rose-Hulman Institute of Technology in 1987 and the M.S. and Ph.D. degrees in Electrical Engineering in 1988 and 1992, respectively, from Purdue University. From 1992-1994, he was a National Research Council Fellow at Wright-Patterson Air Force Base in Dayton, Ohio. Since 1994, he has been with the Department of Electrical and Computer Engineering at Florida State University where he is currently a Professor. Prof. Roberts' research and teaching interests center on the analysis, simulation, and control of human-robot systems, especially for the design of fault-tolerant systems and the control of teleoperation systems. He has co-authored over 160 refereed publications in journals, books, and conferences and is the co-inventor of four patents. His research has been supported by NSF, US Air Force, Army Research Laboratory, NASA, National Imagery and Mapping Agency, Missile Defense Agency, Air Force Research Laboratory, and Office of Naval Research.

Contributions to the SMCS and IEEE

Prof. Roberts is a Senior Member of IEEE and is a member of the IEEE SMC Society in good standing and will continue to be an active SMCS member. He has been actively engaged in promoting research through his involvement in various journals and conferences sponsored by IEEE, the Systems, Man, and Cybernetics Society, and other societies. He served as the Secretary of the IEEE SMC Society from 2012-2015, as a Member-at-Large of the Board of Governors in 2014, and has been serving as the Vice President for Systems Science and Engineering since 2015. He served as the Program Chair for the 2009 IEEE International Conference on Systems, Man, and Cybernetics. He also served as the General Chair for the 2007 *IEEE International Symposium on Computational Intelligence in Robotics and Automation*, the 2000 *IEEE Southeastern Symposium on System Theory*, and the 2001 and 2013 *Florida Conference on Recent Advances in Robotics*. He is an Associate Editor for the *IEEE Transactions on Systems, Man, and Cybernetics: Systems* (2013-Present) and was an Associate Editor of the *IEEE Transactions on Systems, Man, and Cybernetics: Part A* (2011-2012). He also served as an Associate Editor for the *IEEE Transactions on Robotics* (2003-2006) as well as an

Associate Editor for the *International Journal of Automation and Computing*, *The International Journal of Intelligent Automation and Soft Computing*, and the *International Journal of Robotics and Automation*. Prof. Roberts has served on a number of Editorial Boards for several conferences including the *IEEE International Conference on Robotics and Automation* and the *IEEE/RSJ Intelligent Robots and Systems Conference*.

Candidate's Statement

The IEEE Systems, Man, and Cybernetics Society is the premier organization that focuses on systems that integrate humans and machines. The Technical Area VPs are responsible for increasing the technical quality of the SMC Society's activity including SMC sponsored meetings, publications, TC activities, and Chapter activities. I have served as the VP of Systems Science and Engineering since January 2015. If re-elected as VP of Systems Science and Engineering (SSE), I will work hard to continue to strengthen and enhance the SSE area and to support implementation of the goals of the SMC strategic plan. I will focus on increasing TC involvement, which is critical for supporting meetings, publications, and membership activities and for improving the reputation of SMCS. As we strive to increase the prestige of the annual SMC Conference and other SMCS sponsored conferences, the support of the TCs to improve the quality of submissions will be critical. It is therefore important that we encourage our TC members and acknowledge their efforts. Improving the Society's standing among peer organizations is another important objective. Indeed, there are a number of IEEE and non-IEEE organizations that focus on systems. It is essential that we continue to identify and develop new systems-related areas in which our Society can excel. We need to continue developing new activities such as the SSE-area Book Project. In addition to addressing the issues already mentioned, my goals are to support SMCS conferences and publications including the Magazine, and to introduce new initiatives to support and grow the Society.

Commitment to Service

I certify that if elected, I will serve in the position to which I am elected for the term of the office and will be committed to performing my duties to the SMC Society and will attend and participate in the ExCom and BoG meetings.

