

COMPUTER SCIENTIST OF DISTINCTION

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Lynne E. Parker

B.S. Computer Science,
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Dr. Lynne Parker is Professor and Associate Head in the Department of Electrical Engineering and Computer Science at the University of Tennessee, Knoxville (UTK), where she directs the research of the Distributed Intelligence Laboratory. She is also Assistant Director of the UTK-ORNL (Oak Ridge National Laboratory) Science Alliance, where she is principally responsible for managing the Joint Directed Research and Development Program. From 2010-2012, Dr. Parker was the Founding Director of the Center for Intelligent Systems and Machine Learning at UTK. Additionally, she holds an appointment at ORNL as Adjunct Distinguished Research and Development Staff Member after having worked there as a full time researcher for several years. Dr. Parker received her Ph.D. in 1994 in computer science (CS) from the Massachusetts Institute of Technology (MIT), the M.S. degree in CS from the University of Tennessee, Knoxville in 1988, and the B.S. degree in CS from Tennessee Technological University in 1983.

Dr. Parker is a leading international researcher in the field of distributed multi-robot systems. She is frequently a featured speaker at international conferences, workshops, and universities, having given over 110 lectures in over 15 countries. She has published over 140 peer-reviewed articles in the areas of mobile robot cooperation, human-robot cooperation, sensor networks, robotic and machine learning, intelligent agent architectures, and robot navigation. For this research, she was awarded the 1999 DOE Office of Science Early Career Scientist Award, and the 2000 PECASE (U.S. Presidential Early Career Award for Scientists and Engineers). Her UTK awards include the Angie Warren Perkins Award (1996) for scholarship, teaching, and contributions to campus intellectual life, the College of Engineering Allen and Hoshall Engineering Faculty Award (1999), the Ralph Gonzalez Family Research Excellence Award (1999), the Chancellor's Honor for Research and Creative Achievement (2011), and the College of Engineering Moses and Mayme Brooks Distinguished Professor Award (2013). She is Editor-in-Chief of the IEEE Robotics and Automation Society Conference Editorial Board, and served as an elected Administrative Committee Member of the IEEE Robotics and Automation Society from 2008-2013. From 2005-2010, she was a senior Editor of IEEE Transactions on Robotics; currently, she is on the Editorial Board of IEEE Intelligent Systems (since 2003) and the Swarm Intelligence Journal (since 2008). She is serving as General Chair of the 2015 IEEE International Conference on Robotics and Automation (ICRA). She serves as a member of the National Research Council's (NRC) Advisory Panel on Information Science (since 2013) after previously serving on the NRC's Advisory Panels on Armor and Armaments (2008-2012), and on Air and Ground Vehicle Technology (2003-2007), all of which oversee research at the U.S. Army Research Laboratory. She is a Fellow of IEEE.

Prof. Parker is also committed to training the next generation of scholars in computer science, regularly teaching undergraduate and graduate classes in algorithms, robotics, machine learning, and artificial intelligence.

Lynne and her husband Bob, also a TTU alumnus, are members of Cedar Springs Presbyterian Church in Knoxville, where Bob serves as a deacon. They have 8 nieces and nephews and 1 grand-nephew. In her spare time, Lynne enjoys spending time with family, traveling, attending University of Tennessee sporting events, playing the piano, and entertaining her two cats.