

David E. Orin
Professor Emeritus
The Ohio State University

Biosketch:

Professor David E. Orin received his Ph.D. degree in [Electrical Engineering](#) from [The Ohio State University](#) in 1976. From 1976-1980, he taught at Case Western Reserve University. Since 1981, he has been at The Ohio State University, and became a Professor Emeritus of Electrical and Computer Engineering in 2009. He was a sabbatical faculty at Sandia National Laboratories in 1996.

Orin's research interests centered on humanoid dynamic walking and running, quadruped galloping, walking machines, dynamic maneuvers in legged locomotion, biped locomotion, and robot dynamics. He has over 175 publications with more than 8000 [Google Citations](#) for his work.

He has been a leader of robotics research in the areas of computational robot dynamics and control of multilegged robots for more than forty years. His research has been supported by NSF, Sandia National Laboratories, DARPA, NASA, Cray Research, the Veterans Administration, NRL, Los Alamos National Laboratory, and the Honda Research Institute. He co-organized an NSF Workshop on the Future of Robotics Research: Robust Intelligence (2006). He served on the Editorial Board for the award-winning [Springer Handbook of Robotics](#) (2003-16) as a Part Editor (*Part I: Robotics Foundations*).

Orin was the President of the [IEEE Robotics and Automation Society](#) (RAS) for 2012-3. He was active as an officer or Administrative Committee (AdCom) member nearly continuously for more than twenty-five years: Secretary (1991-5), Vice President for Finance & Treasurer (1996-2003), AdCom (1993-5, 2004-6, 2009), President Elect (2010-11), President (2012-3), Junior Past President & Chair of the Nominations Committee (2014-5), and Senior Past President & Chair of the Awards Committee (2016-7). He was previously the Co-Chair of the Fellow

Evaluation Committee of RAS (2007-9) and Awards Committee (2008-10). For his leadership in financial activities, he received the Distinguished Service Award from IEEE RAS in 2004. For his leadership in financial activities, governance, and awards, he received the IEEE RAS George Saridis Leadership Award in Robotics and Automation in 2019.

He is a Fellow of the [IEEE](#) (1993) for his work on the computation of robot kinematics and dynamics. He has received two Best Paper awards: the Fourth National Applied Mechanisms and Robotics Conference (1995) and the International Journal of Humanoid Robotics (2016). His commitment to education has resulted in his receiving the Eta Kappa Nu Professor of the Year Award in the EE Department at OSU (1998-9), and the Charles E. MacQuigg Award for Outstanding Teaching in the College of Engineering (2003).

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