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David J. Love received the B.S. (with highest honors), M.S.E., and Ph.D. degrees in electrical engineering from the University of Texas at Austin in 2000, 2002, and 2004, respectively. Since 2004, he has been with the School of Electrical and Computer Engineering at Purdue University, where he is now the Nick Trbovich Professor of Electrical and Computer Engineering and leads the College of Engineering Preeminent Team on Efficient Spectrum Usage. He currently serves as a Senior Editor for IEEE Signal Processing Magazine and previously served as an Editor for the IEEE Transactions on Communications, an Associate Editor for the IEEE Transactions on Signal Processing, and a guest editor for special issues of the IEEE Journal on Selected Areas in Communications and the EURASIP Journal on Wireless Communications and Networking. His research interests are in the design and analysis of broadband wireless communication systems, 5G wireless systems, multiple-input multiple-output (MIMO) communications, millimeter wave wireless, software defined radios and wireless networks, coding theory, and MIMO array processing. He has around 30 U.S. patent filings, 28 of which have issued. He currently co-advises a team in the DARPA Spectrum Collaboration Challenge (SC2) and previously coadvised the Purdue team that was a finalist in the DARPA Spectrum Challenge.

Dr. Love has been recognized as an IEEE Fellow and Thomson Reuters Highly Cited Researcher (2014 and 2015). Along with his co-authors, he won best paper awards from the IEEE Communications Society (2016 IEEE Communications Society Stephen O. Rice Prize), the IEEE Signal Processing Society (2015 IEEE Signal Processing Society Best Paper Award), and the IEEE Vehicular Technology Society (2009 IEEE Transactions on Vehicular Technology Jack Neubauer Memorial Award). He has received multiple IEEE Global Communications Conference (Globecom) best paper awards. He was an invited participant to the 2011 NAE Frontiers of Engineering Education Symposium and 2016 EU-US NAE Frontiers of Engineering Symposium. In 2003, he was awarded the IEEE Vehicular Technology Society Daniel Noble Fellowship.