

B. Ross Barmish (USA)

Short Bio: B. Ross Barmish is Professor of Electrical and Computer Engineering at the University of Wisconsin, Madison. Prior to joining UW in 1984, he held faculty positions at Yale University and the University of Rochester. From 2001-2003, he served as Chair of the EECS Department at Case Western Reserve while holding the Nord endowed professorship. He received his Bachelor's degree in EE from McGill University and the M.S. and Ph.D. degrees, also in EE, from Cornell University.

Throughout his career, he has served the IEEE Control Systems Society in many capacities and has been a consultant for a number of companies. Professor Barmish is the author of the textbook "New Tools for Robustness of Linear Systems" and is a Fellow of both the IEEE and IFAC for his contributions to robust control. He received two Best Journal Publication awards, each covering a three-year period, from the International Federation of Automatic Control and has given a number of keynote and plenary lectures at major conferences. In 2013, he received the IEEE Control Systems Society Bode Prize.

While his earlier work concentrated on robustness of dynamical systems, his current university research involves building a bridge between feedback control theory and stock trading in complex financial markets. In addition to this academic pursuit, in his capacity as CEO of Robust Trading Solutions, he works on the transition of stock-trading algorithms from theory to practice and government sponsored research on the NASDAQ Limit Order Book.