

Peter Mathys

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Peter Mathys received the Dipl.Ing. and Ph.D. degrees in Electrical Engineering from the Swiss Federal Institute of Technology (ETH), Zürich, Switzerland, in 1976 and 1985, respectively.

During 1985-86 he was a Visiting Research Scientist at the Massachusetts Institute of Technology, Cambridge, MA. In August 1986 he joined the faculty of the University of Colorado at Boulder, where he is an Associate Professor in the Department of Electrical, Computer, and Energy Engineering. Since June 2017 he has been working part time on radio propagation, spectrum monitoring, spectrum sharing, various aspects of vehicle-to-everything (V2X) communication, LTE and 5G NR radio signal characterization, and machine learning for the Department of Commerce at NTIA/ITS (National Telecommunications and Information Administration/Institute for Telecommunication Sciences) in Boulder, CO. His research interests include communication theory, wireless communications, software defined radio, machine learning, multi-user information theory and coding, data networks, cryptography, analysis of algorithms, and engineering education.

Academic Experience:

2020-current: Chair Curriculum Committee.

2010-2015: Associate Chair for Education.

2008-2015: ABET Coordinator for the ECEE Department.

2003-2007: Chair Curriculum Committee.

Awards:

2010: Holland “Teaching Excellence Award”, presented by the Department of ECEE.

2003: Sullivan-Carlson “Innovation in Teaching Award”, presented by the Engineering Students at CU Boulder.

1990: Presidential Young Investigator Award.

1987: W.R.G. Baker Prize Award, given annually for the best paper in any IEEE publication, for the paper “The Collision Channel Without Feedback” (with J.L. Massey).