

Membership Activities

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Senior Members Biographies

Last month, we reported six new Senior Members: Roberto Alm, Souheil Benzerrouk, Edmond Cooley, David Herrick, Paul Meaney, and John Oates. See the next page for some of their biographies.

Welcome New IEEE NH Members

The Section welcomes the following new members: David Arnoldy (Student Member), Bernard Basch (Associate Member), Jesse Covill (Student Member), Leon Dufresne (Student Member), Jessica Evans (Student Member), Ian Mutnick (Member), Alexander Norton (Member), and William Quiter (Student Member).

We also welcome those who have recently moved into the Section: Michael Brunelle (Member), David Chadwick (Student Member), Stephen Teahan (Member), James Moran (Senior Member), and Martin Glassman (Senior Member).

Senior Member Elevation

To be eligible for application: "...a candidate shall be an engineer, scientist, educator, technical executive or originator in IEEE-designated fields. The candidate must have experience reflecting professional maturity, shall have been in professional practice for at least ten years, and shall have shown 'significant performance' over a period of at least five of their years in professional practice."

Note: a Ph.D. is equivalent to five years of practice, or an M.S. to four years, or a B.S. to three years.

Benefits of Senior Membership include professional recognition, engraved Senior Member plaque, U.S. \$25 coupon that can be used to join one new IEEE Society, letter of commendation to your employer, eligibility to hold executive IEEE volunteer positions, and ability to refer other candidates for Senior Membership.

If you meet the above qualifications, we can support you in seeking Senior Membership. Best of all, there is **no additional fee** to apply if you currently hold IEEE Member grade. If interested, please send an email to jason.k.hui@ieee.org.

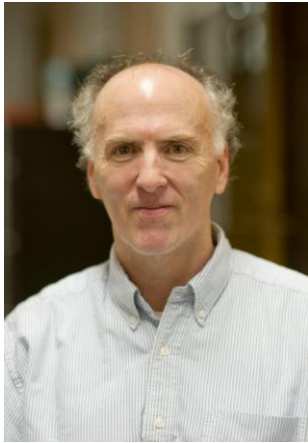
Ted Cooley



Edmond Cooley received a BSEE from the University of Vermont in 1980, and MEng and DEng degrees in Electrical and Computer Engineering from Dartmouth College in 1982 and 1988, respectively. Ted has worked for various organizations including Raytheon Company, Institute for Defense Analyses, and Dartmouth College. Currently, he is President of Cooley & Company LLC, consulting in the areas of IT and circuit design, and drafting patents. Ted is the co-recipient of two U.S. patents in the area of memory test. He is author or co-author on more than 20 publications. He has received IEEE awards including the Computer Society's Outstanding Contribution Award in 2002, and election to the Society's Golden Core in 2003.

Ted lives in Orford, New Hampshire with his wife and eight Brittany Spaniels. He enjoys many outdoor activities, antique watch and clock collecting and repair, antique telephony, amateur radio, and digital photography.

Paul Meaney



Paul Meaney received A.B.'s in Computer Science and Electrical Engineering from Brown University in 1982, an M.S. in Electrical and Computer Engineering from the University of Massachusetts in 1985, and his Ph.D. in Biomedical Engineering from Dartmouth College in 1995. He was a NATO/NSF postdoctoral fellow at the Royal Marsden Hospital in Sutton, England from 1996-1997. From 1985-1989 he worked for Millitech Corporation and Alpha Industries developing millimeter wave components, antennas and subsystems. Since 1997, Paul has been an Assistant, Associate and Full Research Professor at the Thayer School of Engineering at Dartmouth College. In addition, he is also co-founder of Microwave Imaging System Technologies, Inc. (MIST) in Hanover, NH.

His primary interest since 1991 has been the development of microwave tomography for medical and commercial applications. The system developed at Dartmouth and further refined at MIST was the first clinically tested microwave breast imaging system. Dr. Meaney has published over 50 peer-reviewed papers, numerous invited conference papers and is the co-inventor on several patents related to microwave imaging. He is also an Associate Editor for the IEEE Transactions on Biomedical Engineering and co-edited a textbook with Keith Paulsen and Larry Gilman entitled, "Alternative Breast Imaging: Four Model-Based Approaches."

Paul lives in Hanover, NH with his wife, Victoria, and their two children. He enjoys kayaking, swimming, skiing, traveling and coaching youth basketball and baseball.

John Oates



John H. Oates has nearly 30 years of engineering experience. He received the B.S. degree from the University of California at Davis in 1983, the M.S. degree from Santa Clara University in 1990, and the Ph.D. degree from the Massachusetts Institute of Technology in 1994, all in electrical engineering. From 1983 to 1990 he was a design engineer with Litton Systems, San Carlos, CA, working on the design and analysis of high-power microwave devices. From 1990 to 1994 he was with the MIT Research Laboratory of Electronics, engaged in the simulation of electromagnetic phenomena. From 1994 to 1999 he was a Principal Systems Engineer with Sanders, A Lockheed Martin Company, Nashua, NH, developing multi-channel signal detection and estimation algorithms. From 1999 to 2003 he was a Consulting Scientist with the Wireless Communications group of Mercury Computer Systems, Chelmsford, MA, where he developed multiuser detection algorithms for cellular CDMA systems. Currently he is a Research Scientist with Herrick Technology Labs in Manchester, NH. His professional interests include electromagnetic theory, signals intelligence, wireless digital communications, information theory, cryptography, multi-channel digital signal processing, and FPGA implementation of digital signal processing algorithms.