



JACEK M. ZURADA

Candidate for 2020-21 SMC Society Distinguished Lecturer

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Dr. Jacek Zurada is a Professor of Electrical and Computer Engineering at the University of Louisville, Louisville, Kentucky, USA. He was a post-doc at Swiss Federal Institute of Technology, Zurich, a Visiting Professor at Princeton University, and a Distinguished Visiting Professor at NUS and NTU (Singapore).

He has authored several textbooks including the pioneering neural networks text and over 440 refereed publications in deep learning, neural networks and image/signal processing that have resulted in over 13,300 citations. He has advised 23 PhD students, now leaders in academia, Google, Facebook and Amazon. He has also served industry and start-ups as a consultant.

Dr. Zurada has delivered over 160 invited plenary conference presentations and seminars, including Distinguished Lectures for three IEEE Societies. He received numerous IEEE, university and scholarly society awards for research, teaching and service. He was elected to the Polish Academy of Sciences and received six honorary doctorates and professorships.

IEEE Accomplishments: Dr. Zurada served in a wide range of recent leadership roles, including four major Boards: the IEEE Board of Directors, Technical Activities (TAB), Members and Geographical Activities (MGAB), and Publications Services and Products (PSPB). He has:

- Led a successful pioneering effort to deliver **educational products and services** created by Societies/Councils free to members and for a fee to the general public. The novel Resource Centers now support members' careers and life-long learning (2013-17).
- Launched the **Globalization Initiative** that fostered a new generation of IEEE/TA volunteers in publishing, conferences and governance. This endeavor brought a series of successful, reproducible 'Train-the-Trainers' workshops to disadvantaged geo-regions (2013-16).
- Successfully championed the TAB-wide **Financial Transparency Initiative**. This multi-year effort has required close collaborations across the IEEE and has benefitted operations of Societies/Councils (2014-17).
- Supported and championed **12 new practitioner-oriented IEEE Magazines and three new Compendia/Virtual Journals** (as a member and/or Chair of the TAB Periodicals Committee 2006-13).

IEEE Activities (only select lead positions): 2014 IEEE Vice-President for Technical Activities (TAB Chair and IEEE Director, Elect-2013, Past-2015); Chair, TAB Strategic Planning Committee, 2015; TAB Representative to MGAB, 2016-17; Chair, TAB Periodicals Review and Advisory Committee, 2012-13; Chair, TAB Periodicals Committee, 2010-11; Vice-Chair, PSPB, 2011; Chair, TAB Transactions Committee, 2007-09; President, IEEE Computational Intelligence Society, 2004-05; Chair/Member, IEEE/TAB/PSPB Strategic Planning Committees (2010-2016); Editor-in-Chief, *IEEE Transactions on Neural Networks*, 1998-2003; Chair/Member of 140 conference committees.