



Thomas M. Coughlin

BIOGRAPHY:

Thomas M. Coughlin has worked for over 40 years in the digital storage industry as an engineer and engineering manager. He started Coughlin Associates in 2000. Coughlin Associates publishes reports on digital storage and applications as well as provides various types of consulting services. Tom started the Storage Visions Conference (a partner event to the annual CES for

several years) as well as the Creative Storage Conference. He was chairman of the Flash Memory Summit for 10 years. Tom has over 500 published articles, book chapters, reports, books and articles and is an inventor on 6 patents. Tom is an active member in IDEMA, IEEE, SMPTE, SNIA and other technical organizations. He received his BS in Physics from the University of Minnesota where he also received an MS in Electrical Engineering with a minor in Materials Science. He received a PhD in Electrical Engineering from Shinshu University in Nagano, Japan.

IEEE ACTIVITIES:

COMMITTEES/BOARDS:

- 2018-2020 President Elect/President/Past President, IEEE-USA
- 2020 Chair, IEEE New Initiatives Committee
- 2020 Member, MGA/SA/TAB Sustainable Development Ad Hoc
- 2020 Member, Strategy and Alignment Committee
- 2020 Member, Conferences Revenue Opportunity Ad Hoc
- 2020-2021 Member, Lifelong Learning Ad Hoc
- 2017-2021 Member, IEEE New Initiatives Committee
- 2017 VP, IEEE USA Professional Activities
- 2017-2018 Member, Industry Engagement Committee
- 2016-2017 Chair of the IEEE Public Visibility Committee
- 2014-2016 Member of IEEE Public Visibility Committee
- 2015-2016 Chair of the IEEE MGA Global Opportunity Ad hoc Committee
- 2015 Member of IEEE in 2030 Ad hoc Committee
- 2011-2015 Member of TAB Future Directions Committee
- 2014-2015 Member of IEEE Infrastructure Adhoc Committee
- 2014-2016 Member of IEEE Cloud Computing Committee
- 2012-2014 Member of IEEE Transportation Electrification Future Directions Committee
- 2011-2012 Chair of the Strategic Plan Committee of the IEEE Consumer Electronics Society
- 2010-2012 Chair of the Finance Committee of the IEEE Consumer Electronics Society

REGIONS:

- 2017-2018 Past Director, Region 6
- 2015-2016 Director, Region 6
- 2013-2014 Director-Elect, Region 6
- 2013-2014 Member of Region Vitality Committee
- 2008-2009 Region 6 Central Area Chairman
- 2008 Region 6 Director-Elect Nominating Committee Member

SECTIONS/CHAPTERS:

- 2016-2021 Board Member at large of the Consultants Network of Silicon Valley (CNSV) BoD
- 2020-2021 Chair SCV Technology History Committee
- 2020 Founder and Chair of the SCV SSIT Chapter
- 2009-2016 Member of Marketing Committee of the Santa Clara Valley IEEE Consultants Network (CNSV)
- 2012 SCV Section Chair Special Award for Leadership
- 2007-2016 Trainer at the annual SF Bay Area Council IEEE Leadership Training
- 2007 IEEE San Francisco Bay Area Council Chair
- 2005-2007 Chairman, Vice Chairman, Treasurer, Santa Clara Valley IEEE Section
- 2006 Santa Clara Valley IEEE Consumer Electronics Society Chapter Chairman
- 2006 Santa Clara Valley IEEE Section Vice Chairman
- 2005 Santa Clara Valley IEEE Section Treasurer
- 2004 Santa Clara Valley IEEE Section PACE Chair
- 2002 Santa Clara Valley IEEE Magnetics Society Chapter Chair (also in 1992)

SOCIETY:

- 2013-2020 VP and Chair of Future Directions for the IEEE Consumer Electronics Society
- 2015-2020 Senior Editor, *IEEE Transactions on Consumer Electronics*
- 2010-2014 Associate Editor, *IEEE Transactions on Consumer Electronics*
- 2008-2021 Associate Editor IEEE CE Society Newsletter and CE Magazine
- 2016 Member of TAB Membership AdHoc Committee
- 2014 IEEE Consumer Electronics Society Outstanding Volunteer Award
- 2011-2013 Reviewer, IEEE Magnetics Letters
- 2010-2012 Vice President of Operations and Planning for IEEE CE Society
- 2007-2012 and 2014-2019 Elected Member of IEEE Consumer Electronics Society Board of Governors
- 2010 Membership Chairman, IEEE Consumer Electronic Society
- 2008-2012 and 2015-2016 Distinguished Lecturer, Consumer Electronics Society
- 2007-2019 Consumer Electronics ICCE Conference Paper Selection Committee

STANDARDS

- 2020-2021 Vice Chair CTSoc Standards Committee

CONFERENCES:

- 2019-2020 Fundraising Chair and Committee Member IEEE Sections Congress
- 2014-2018 Member of IEEE Technology Time Machine Organizing Committee
- 2014-2016 Organizer of Safe Advanced Mobile Power Workshops in the US and Europe
- 2014 Member of Organizing Committee, 2014 IEEE Sections Congress
- 2013-2014 Local Chairman of the IEEE Region 6 Global Humanitarian Technology Conference
- 2007-2019 Member of CE Society TPC for several conferences
- 1995-2013 Reviewer for IEEE Intermag and TMRC conference submissions
- 2011 IEEE Sections Congress General Chairman (San Francisco)
- 2011 IEEE IGIC Conference Publicity Chairman
- 2004 Publicity Chair for IEEE Magnetics Society TMRC Conference (also in 2002, 1996 and 1992)
- 2004 Local Chairman of International Conference on Ferrites in San Francisco

OTHER:

- 2020 MGA Leadership Award
- 2013-2020 Trainer for the IEEE VoLT Program
- 2017 Interim Chair and Advisor of San Francisco Bay Area HKN Alumni Group
- 2016 Member of HKN
- Fellow Member of IEEE (2018), Senior Member (1992), Member (1981) and Student Member (1978). Life member in 2021.
- Member of the IEEE Broadcast Technology, Communications, Computer, Consumer Technology, WIE and Magnetics Societies as well as the Society on Social Implications of Technology.