

# Manfred "Fred" J. Schindler



**Consultant**

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Fred Schindler has spent his career in industry working on RF, microwave and mm-wave semiconductors, leading the development of advanced RF semiconductor technology and products for commercial and defense applications. He is currently an independent consultant and is Chief Technology Officer of Anlotek Ltd., an RF technology company. Previously he worked as Engineering Director at Qorvo and RFMD, where he founded its Boston Design Center. He also worked as Engineering Manager at IBM, ATN-Microwave and Raytheon. Fred earned a BSEE from Columbia University in 1979 and an MSECE from UMass-Amherst in 1983. He holds 11 patents and has published over 40 technical articles. He has been active in the IEEE, MTT-S, TAB, PSPB and IEEE Conferences since 1990, including service as MTT President, Chair of the IEEE Conferences Committee and Chair of the International Microwave Conference. He has contributed a column on Microwave Business to IEEE Microwave Magazine since 2011.

## **IEEE Accomplishments and Activities**

(S'78-M'79-S'80-M'82-SM'92)

### **Conferences**

- IEEE Conferences Committee Chair (2015-2018), Member (2013-2014, 2019). As Chair, my emphasis was improving engagement with and between conference volunteers, and revising the organization to increase volunteer involvement. Also Chair: Nominations, Appointments and Recommendations (2019), Conference Quality (2017), Conference Applications Review (2018-2019), Conference Portfolio Review (2017-2019), Conference Organization Integrity ad hoc (2019), Event Innovations (2019). Member: Technical Program Integrity (2014-2019).
- International Microwave Symposium, General Chair (2009). Also Chair: Executive Committee (2011, 2014-2015), Exhibition Management Search (2007-2008), PCO Search (2010-2011), Technical Program (2000), Protocol (2012), TP Member (1995-2003, 2012-2014, 2016-2020), Advisor (2012-2016, 2019).
- Radio and Wireless Symposium, Founding Chair (2006), Executive Committee Chair, (2005-2007, 2010-2015), PAWR TP Chair (2014-2016)
- GaAs IC Symposium TPC (1989-1992)
- Conference Financial Management BoD ad hoc, (2017-2019)

### **TAB**

- Focused on better engagement with Society/Council conference leadership and increased information sharing.
- Member (2003, 2015-2018). Also Member: FinCom (2015-2018), Financial Health (Watch List) ad hoc (2018-2019), Sections Congress ad hoc (2017), Hall of Honor Committee (2018-2019), Strategic Planning Committee (2019), Contract Approval Process ad hoc (2018)

### **Publications**

- Drove to increase collaboration by Conferences and Publications leadership.
- PSPB Member (2015-2018)
- IEEE Transactions on Microwave Theory and Techniques, Editorial Board (1994-2000)
- IEEE Microwave and Wireless Component Letters, Editorial Board (2000-2008)
- IEEE Microwave Magazine, Business Issues Editor (2010-2019)

### **Cross Organization**

- Marketing Automation MGA/TAB ad hoc, Co-Chair (2015)
- Future of Information and Convening BoD ad hoc (2015)
- TAB/PSPB Strategic ad hoc, Group Co-Chair (2019)
- IEEE Roadmap Strategy and Governance ad hoc (2019)

### **Society/Council**

- MTT-S – As President (2003) during financial stress, I led through a turnaround. VP 2002, Secretary 1993, AdCom Elected Member, 1994-2002, Chair: Membership Services, (2000-2001), Meetings and Symposia, (1996-1997), Operations (1999), Budget (2002), Long Range Planning (2005), MTT-19 TC (2010-2015), Electronic Information (1994-1996), Marketing-Publicity (1995-1998), MMIC Historical Exhibit (1993-1998)
- CRFID Advisory Committee Member (2018-2019)

### **Statement**

IEEE faces significant present and future challenges. Ongoing issues with high overhead and administrative costs will be exacerbated by pressures on IEEE's publishing income driven by the Open Access movement. The IEEE Board will need to be cautious with initiatives and willing to make significant structural changes to position IEEE for future stability and success. TAB will continue to drive IEEE's technical leadership and be the largest source of income. IEEE's structure must encourage innovation and reward success.

The communities that IEEE fosters have always been its greatest assets. They need to be sustained, encouraged, grown. Administrative burdens and bureaucratic barriers need to be eased to allow communities to prosper and encourage volunteers to contribute. IEEE can't afford to discourage its volunteers. We need to overcome structural barriers between established communities, and that inhibit new communities. As IEEE evolves, it's the contributions and commitment of volunteers that will ensure success.

As a society leader and IEEE Conferences Chair, I believe I have the insights, dedication and experience to help IEEE prosper, and overcome our impending challenges.