



### JOHN VIG

John Vig was born in Hungary. He immigrated to the USA in 1957, received the B.S. degree from the City College of New York in 1964, and the Ph.D. in Physics from Rutgers - The State University, 1969. Throughout his professional career, working as an electronics engineer and program manager, he performed and led research aimed at developing precision clocks, sensors, and low-noise oscillators. In 1988, he was elected Fellow of IEEE "for contributions to the technology of quartz crystals for precision frequency control and timing." He retired in 2006 and has been working as a consultant. He has been awarded 54 patents, and has published more than 100 papers and nine book chapters. Beyond his IEEE activities, he serves as a volunteer in his hometown - as an Environmental Commissioner and trustee of the Friends of the Library. In his spare time, he and his wife enjoy ballroom dancing.

#### **CITATION:**

For improving operations and processes of the IEEE Technical Activities Board.

#### **DESCRIPTION OF ACCOMPLISHMENT(S) RELATIVE TO THE CREATION, DEVELOPMENT, OR ADVANCEMENT OF THE TECHNICAL OBJECTIVES OF THE IEEE:**

- John Vig founded the IEEE Sensors Council and, thereby, made IEEE a leader in an area where, previously, Elsevier was the primary publisher and IEEE's activities were scattered across over 20 IEEE Societies. Formerly, IEEE had no focus on sensors, including no journal or major conference devoted to sensors. John shepherded the Council through the approval process. The Council started with 26 member Societies. He was elected the Council's first president. Today, the Council has a successful refereed publication, the *IEEE Sensors Journal*, which started in 2001 with approximately 400 pages. In 2013, the Council published 5,000 referred pages, among the higher in IEEE, despite a 32% acceptance rate. The Council also started the IEEE SENSORS conference, which now attracts about 600 participants annually. Currently, John serves as the Council's VP of Publications and as Senior Editor of the *IEEE Sensors Journal*.
- John brought what is now the IEEE Frequency Control Symposium into IEEE. While he was General Chair of this initially non-IEEE conference, John proposed and negotiated the agreement that allowed this conference to become an IEEE conference.

- While TAB Chair, and working with the then RAB Chair, Marc Apter, John initiated the “Transnational Scorecard” to measure progress toward IEEE’s strategic goal of being “a model global association” (<http://goo.gl/tM4JbY>). This has endured, and the past 10 years of scorecards are currently available at <http://goo.gl/HKr00I>.
- While TAB Chair, John created the Ethics & Conflict Resolution Ad Hoc Committee. This has continued, now titled the TAB Conflict Resolution (Standing) Committee of TMC.
- While TAB VP Chair-Elect, he proposed establishing a “venture capital fund” in TAB to encourage creativity and entrepreneurship throughout the Societies, and to speed up investments in new products and services. The proposal was unsuccessful in TAB; however, the idea transformed into the existing IEEE New Initiative process.

### **RELEVANT IEEE ACTIVITIES:**

#### TECHNICAL ACTIVITIES BOARD (TAB):

Chair, 2005; Director, Division IX, 2002-2003; Finance Committee, 2001; Electronic Products & Services Committee, 2002; Business Simplification Team, 2002-03; New Technology Directions Committee, 1998-02; Ad Hoc Committee on Globalization, 1999; Focus Group on Public Image of Engineers, 1999; New Financial Model, 1999; Chair, Ad-hoc Committee on Sensors, 1998-99.

#### SOCIETIES/COUNCILS:

IEEE Sensors Council: Main proponent, 1998-99; Founding President, 2000-01; VP, Conferences, 2002; Publicity Chair, 2001-02; Associate Editor, 2001-2004 and Senior Editor to present; VP Publications, 2014-2015.

IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society (UFFC): President, 1998-99; VP Publications, 2013-2014; Assoc. Editor, Trans. on UFFC, 2002-2008; Founding Web Editor in Chief, 1996-02; Nominating Committee, 1986-92; Administrative Committee (elected twice), 1986-89, 1995-98; Publications Committee, 1997-02; Transactions on UFFC, Guest Editor, 1987-88, 1998; Frequency Control Standing Committee, 1983-02; Time and Frequency Standards Subcommittee, Chair, 1988-99.

IEEE Instrumentation & Measurement Society: Committee on Time and Frequency (TC-3) Vice-Chair, 1979-99; Chair, 1999-2001.

#### CONFERENCES:

IEEE SENSORS 2012 General Co-Chair; Int’l Frequency Control Symposium, General Chair, 1983-88, 1996-97; Technical Program Committee (TPC), 1972-2003; TPC Chair for 2002; Editorial, Chair, 1989-03; Ultrasonics Symposium, Technical Program Committee, 1986-02; IEEE-NANO TPC, 2001-02.