

**For IEEE Division Delegate-Elect/Director-Elect, 2018
IEEE Division Delegate/Director, 2019-2020
Division X (CISS, CSS, EMBS, PHOS, RAS, SMCS)**



OKYAY KAYNAK

(Nominated by Petition)

Professor Emeritus (UNESCO Chair On Mechatronics)
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Kaynak is an IEEE Life Fellow, active in various ways in most IEEE Societies of Division X. He received the B.Sc. (First Class) 1969, Ph.D. 1972, both from University of Birmingham, UK. From 1972-1979, he had various positions in industry, both in and outside of Turkey. Since 1979, he has been with Bogazici University 1979, his responsibilities include Chairperson of EEE and CmpE Departments, Director of Biomedical Engineering Institute and Director of Mechatronics R&A Center. He has held long-term visiting positions in United Kingdom, Saudi Arabia, Japan, Germany, USA, Singapore and lastly China as a 1000 Talent Professor of HIT, China.

In 2016 he received the China Friendship Award and the Humboldt Research Prize. Current research interests are in intelligent mechatronics and CPS. He has published more than 400 conference papers and journal articles (Hirsch-index: WoS 33, Google Scholar: 48), and serves on several scholarly journal Editorial or Advisory Boards.

IEEE Accomplishments and Activities
(M'80-M'83-SM'90-F'03-LF'16)

IEEE Activities:

COMMITTEES/BOARDS:

- MGA Vice-Chair for Strategic Management and Analysis (2012)
- Vice-Chair of MGA
 - Strategic Directions & Environmental Analysis Committee (2011)
- Member of
 - TAB PSPB Committee (2017)
 - Conferences Committee (2010-2011)
 - TAB Periodicals Committee (2009-2010)
 - TAB Nominations & Awards Committee (2007-2008)
 - Fellow Committee (2004-2005)
 - MGA Membership Development Committee (2006)

SECTION/CHAPTER:

- Chair, Turkey Section (2011)
- Founding Chairperson of SMCS, ES and IES/RAS Joint Chapters in Turkey Section

SOCIETY:

- Member of Board of Governors of IEEE SMCS (2016-2018)
- Vice-President (Conferences) of IEEE CIS (2004-2005)
- President of IEEE Industrial Electronics Society (2002-2003)
- AdCom Member of IEEE Neural Networks Society (2002-2003)

IEEE PUBLICATIONS:

- Editor-in-Chief of

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- *IEEE/ASME Transactions on Mechatronics* (2014-2016)
- *IEEE Transactions on Industrial Informatics* (2005-2006)
- Co-Editor in Chief of *IEEE Transactions on Industrial Electronics*
- Associate Editor of
 - *IEEE Transactions on Sensors* (2006-Present)
 - *IEEE Transactions on Neural Networks* (2002-2005)
- Member of Editorial Board of
 - *IEEE Spectrum* (1996-1998)
 - IEEE Press (1995).

AWARDS:

- IEEE/IES Dr.-Ing. Eugene Mittelmann Achievement Award, 2011
- IEEE/IES Anthony J. Hornfeck Service Award, 2005
- IEEE Fellow Grade, 2003
- IEEE Third Millennium Medal, 2000.

IEEE Accomplishments:

- Unified and led a group of IEEE and ASME volunteers in the start of *IEEE/ASME Transactions on Mechatronics*.
- Was the leading person in the group who conceived, designed and implemented *IEEE Transactions in Industrial Informatics*.
- Has helped to increase the global outreach of CIS in the form of conferences.
- During his term as Vice-Chair of IEEE MGA Board, led a group of IEEE volunteers who worked towards the development and the implementation of new products and services to better serve its members and the public, especially in the Far East.

Statement

We are witnessing tremendous advances in science and technology. The boundaries between different disciplines are eroding, the connections between them is becoming seamless. The most notable changes are taking place at the edge of the different disciplines; convergence is leading to the emergence of new disciplines. A further change is that the world is becoming flatter.

If elected, I will strive to:

- Contribute to the design, the implementation and the deployment of new initiatives that will turn what may be considered as threats of today into opportunities
- Help IEEE develop and implement new products and services to better serve its members and the public, especially in the Far East
- Develop an IEEE-wide a strategy for increasing the involvement of industrial practitioners and researchers in IEEE in the form a "Triple Helix of IEEE, Industry and Academia Towards Knowledge Generation"
- Last but not least, listen to ideas and opinions from TAB Societies and Councils (especially from those of Div. X), and evaluate and carry them to the General Assembly.