

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



LJILJANA TRAJKOVIC

(Nominated by IEEE Division X)

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Ljiljana Trajkovic received the Dipl. Ing. degree from University of Pristina, Yugoslavia, M.Sc. degrees in both Electrical Engineering and Computer Engineering from Syracuse University, NY, and Ph.D. in Electrical Engineering from the University of California at Los Angeles. She was a Member of the Technical Staff at AT&T Bell Laboratories, Murray Hill, NJ, from 1988 to 1990 and a Research Scientist at Bell Communications Research, Morristown, NJ, from 1990 to 1997. From 1995 to 1997, she was a National Science Foundation (NSF) Visiting Professor in the Electrical Engineering and Computer Sciences Department, University of California, Berkeley.

Her research interests include communication networks, computer-aided circuit analysis and design, and theory of nonlinear circuits and dynamical systems. Her personal interests focus on the need for global inclusion and diversity created by the rapid growth of new innovative technologies.

IEEE Accomplishments and Activities

(S'79-S'80-M'80-M'82-S'83-M'85-S'86-M'86-SM'95-F'05-LF'15)

COMMITTEES/BOARDS:

- TAB Hall of Honor Selection Committee (2016-2017)
- TAB Nominations and Appointments Committee (2017, 2013-2014)
- IEEE Fellow Committee (2017, 2011-2014)
- TAB (2014-2015, 2007)
- TAB Periodicals Review and Advisory Committee (2013)

SECTIONS/CHAPTERS:

- Chair, Vancouver CAS Society Chapter (2001-2017)
- Vice-Chair (2010-2017), Chair (2010), Vancouver SMC Society Chapter
- Mentor, SFU Student Branch (2008-2017)

SOCIETIES:

- Systems, Man, and Cybernetics (SMC) Society:
 - President (2014-2015)
 - Vice President Publications (2012-2013, 2010-2011)
 - Vice President Long-Range Planning and Finance (2008-2009)
- Circuits and Systems (CAS) Society:
 - President (2007)
 - Chair, Long-Term Strategy Committee (2005)
 - Distinguished Lecturer (2010-2011, 2002-2003)

CONFERENCES:

- Special Sessions Co-Chair, SMC2017
- Technical Program Co-Chair, SMC2017 and SMC2016 BMI Workshops, NEWCAS 2016, CCECE2016, ISCAS2005, ISCAS2004

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- General Co-Chair, SMC2016, ETHICS2016, WIECon-ECE2015, HPSR2014, ISCAS2004

PUBLICATIONS:

- *IEEE/CAA Journal of Automatica Sinica* Steering Committee (2014-2017)
- Associate Editor, *IEEE Transactions on Circuits and Systems* (Part I) (2004-2005, 1993-1995), (Part II) (2002-2003, 1999-2001)
- Associate Editor, *IEEE Circuits and Systems Magazine* (2001-2003)

AWARDS:

- IEEE Vancouver Section Recognitions: CAS Society Chapter (2017, 2014, 2013); 2012 Centennial Volunteer Award; 2010 Outstanding Service Award
- 2015 IEEE-Eta Kappa Nu, Induction
- 2015 IEEE Canada E. F. Glass Western Canada Merit Award
- 2014 IEEE CAS Society Regions 1-7 Chapter of the Year Award
- 2013 IEEE SMC Society Outstanding Contribution Award
- 2012 IEEE CAS Society Meritorious Service Award
- 2005 IEEE Fellow

MAJOR ACCOMPLISHMENTS:

- Improved technical quality of SMC Society and CAS Society annual conferences.
- Changed titles of SMC Society Transactions, launched *Transactions on Computational Social Systems* and *SMC Magazine*.
- SMC Society Periodicals Review (2011), CAS Society Review (2008), CAS Society Periodicals Review (2007).
- Included Young Professionals (formerly known as GoLD "Graduates of the Last Decade") representatives on the CAS Society Board of Governors.
- Improved CAS Society DLP program, introduced student travel awards, chapter subsidy, major projects grants.

Statement

In a global environment increasingly affected by technological change, IEEE is in a unique leadership position. I have spent the past 25 years interacting with the global IEEE community. I have interacted with IEEE members and leaders who share a vision of what we can achieve when we work together by:

- Promoting technical, geographical, gender, and age diversity of IEEE membership, including Division X.
- Encouraging technical excellence by supporting joint publications, conferences, and workshops through collaborations among Division X Societies and Councils.
- Supporting interactions with broader technical communities, industrial partners, and educational institutions with common research interests of special attraction to Division X.
- Providing additional support for Division X Societies and Councils to participate in IEEE Initiatives such as Big Data, Brain, Smart Cities, Smart Village.
- Inspiring a new generation of innovators and contributors to address new demands in emerging technical fields of interest to Division X.

If elected, I will serve with diligence and integrity and will tirelessly devote my expertise, energy, and time to contribute to the advancement of IEEE, Division X, and their members.