IEEE SYSTEMS, MAN, AND CYBERNETICS SOCIETY ELECTION
For Election of Members to the Board of Governors
for a Three-Year Term 1 January 2017 – 31 December 2019

HOSSAM A.GABBAR (M'03-SM'04) is a full Professor and Director of the Energy Safety & Control Lab (ESCL) in the Faculty of Energy Systems and Nuclear Science, and the Faculty of Engineering and Applied Science (cross-appointed) at the University of Ontario Institute of Technology (UOIT), Canada. He was Associate Professor in the Systems Engineering Department, Division of Industrial Innovation Sciences, Okayama University, Japan (2004-2008). He worked as postdoctoral researcher at Tokyo Institute of Technology and Japan Chemical Innovation Institute, in the area of process systems engineering, where he participated in number of projects in process systems of biomass & plastic production chain with recycling. He is a world-leading scholar in the fields of energy safety and control with expertise in smart energy grid engineering, process systems engineering, and plasma systems engineering. He is the founding Chair of the Technical Committee on Intelligent Green Production Systems (IGPS), IEEE-SMC, and the founding Chair of Toronto Chapter of the IEEE Nuclear & Plasma Science Society. He is the founding general chair of the IEEE Smart Energy Grid Engineering (SEGE) Conference, and founding chair of the Symposium on Plasma and Nuclear Systems. He organized number of workshops and courses within SMC such as green supply chain, safety engineering, and smart green buildings. He serves as the Editor-in-Chief of the *International Journal of Process Systems Engineering*. He also founded the Reliability, Availability, Maintainability, and Safety Professionals (RAMSP) Society, and current VP Safety. He is the founding chair of IEEE SMC Hiroshima Chapter, and founding chair of the International Workshop on Computational Intelligence and Applications, Hiroshima, Japan (2004~2007). He supervised number of PhD / MASc / undergrad student research works in Japan and Canada in the area of intelligent green production systems, smart energy grids, smart green buildings with energy conservation strategies. He is regularly invited to give talks in national and international events/universities, such as USA, Europe, China, Japan, Africa, and Middle East. He is the editor of *Smart Energy Grid Engineering Book* with Elsevier. He is successful in securing national and international funding and industrial projects with value more than $15M. He is the author of 220 journal papers in reputable journals, 4 patents, and number of conference papers and book chapters. He developed and implemented number of safety and control systems for chemical/petrochemical production facilities, energy, and transportation infrastructures. He worked/supported industries in number of countries: Japan, China, India, Malaysia, Singapore, Egypt, UAE, Qatar, KSA, Kuwait, Oman, UK, USA, and Canada. He is awarded the Senior Research Excellence Award, UOIT-2016 for his exceptional research and innovation.

Statement: I am very excited to join the BoG of SMC, where I have been active in national and international activities within SMC since 2002. I have established SMC Hiroshima Chapter, IGPS Technical Committee, number of workshops, courses, and conducted tutorials in SMC annual conferences, and led industrial projects in Japan, Canada, and worldwide. I supported and promoted students in number of innovation competitions and research activities. As a member of the BoG, I will continue my support to the technical and administrative activities, promote student innovation, women in engineering, diverse members, outreach to regional members across the world, support SMC conferences, workshops, and seminar/webinar series. I will promote industrial projects, collaboration, standards and best practices within SMC. I will also work towards recognition of SMC activities in number of disciplines and emerging technologies, such as nuclear, fusion, transportation, aerospace, and infrastructures. I will work towards integrating SMC areas in humanitarian, art, and social systems to improve quality of life and community development, including high school and secondary school students. I will also promote innovation at young ages from 10-14 years, which is ideal to establish creativity and innovation. With my multicultural background and work experience in number of continents / countries, I am fully confident to add great value to SMC, IEEE, and world communities. I am willing and interested to participate in technical and administrative meetings as part of BoG of SMC and make myself available to support various activities within SMC. I look forward to working with all SMC members and new members as well.

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SOS AGAIAN (M'98-SM'00) has more than 25 years of experience in leading research in Computational Vision, Big Visual Data Analytic, and Cancer Imaging Systems. He has authored over 600 scientific papers, 9 books, 8 edited books, and holds 37 patents. The technologies that he invented have been adopted by multiple institutions and commercialized by industry. Moreover, he plays the key role on establishing two start-ups and two University Research Centers. He is a Fellow of SPIE, AAAS, and IS&T. He is a recipient of the Innovator of the Year Award (2014), the Tech Flash Titans-Top Researcher-Award (San Antonio Business Journal, 2014), the Entrepreneurship Award (2013), the Excellence in Teaching Award (2015), and is a Charter Member of the Academy of Distinguished Researchers (2015). Furthermore, he is the recipient of MAEStro Educator of the Year and actively supervises 37 students at UTSA, Stanford University, and Tufts University. He is honored with the AESS Chapter of the Year Award, 2016.

IEEE Activities: Member-at-Large, IEEE-USA Awards & Recognition Committee (2011-2013); Co- Founder, Chair and Vice-Chair, SMC/AES Joint Chapter since 2015; Co-Founder and Co-Chair of the SMC Information Assurance & Intelligent Multimedia-Mobile Communications Technical Committee (2006-present); Chair and Vice-Chair SMC Central Texas Section Chapter (2009-2015); Associate Editor, *IEEE Trans. on Cybernetics* (2014-present); Associate Editor, *System Journal* (2010-2013); and Guest Editor (3 times). He has also served as a member of organizing committee for more than 40 IEEE conferences, including: 7 times in SMC annual conferences, 18 session's organizer, SMC annual conference registration co-chair (2007), short course lecturer, and the Best Paper Awards Committee Member (SMC-2012).

Statement: Throughout my career in teaching and entrepreneurship, I have worked with members of the IEEE community as a builder, collaborator, unifier, and problem solver. IEEE has enriched my career, my skills and knowledge, my personality, and my life. I thereby recognize and proudly support IEEE SMC's Anticipated Future vision in serving humanity by advancing of theory and application in systems science and engineering, human-machine systems, and cybernetics. As a Member-at-Large I will use my skills and expertise to:

- Expand IEEE SMC locally and globally and form strong partnerships with other professional communities, including IEEE Societies/Councils and SPIE.
- Create new, broader multidisciplinary technical communities with other IEEE Societies/ Councils.
- Strengthen relationships between industry, non-profits, academic and government organizations by increasing IEEE SMC diverse community activities such as workshops, conferences, and meetings.
- Build additional networking and educational activities through initiatives that support a multidisciplinary entrepreneurial IEEE certified career progression.
- Form the strategic pillars that support the initiative of young professionals, Technical Committees, Chapters, and other groups.
- Improve the SMC publications quality, including the conference proceedings quality and transactions journal quality (as a Guest Editor, as an Associate Editor, or as a Reviewer).

My philosophy is that with innovative minds and skills we can solve problems larger than ourselves and use collective expertise to benefit society/ humanity. I will do my very best to continue to meet all SMC needs. Thank you for honoring me with your continuous support and vote of confidence.

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RICARDO CHAVARRIAGA (M'11) is a senior researcher at the École Polytechnique Fédérale de Lausanne (EPFL), Switzerland. He holds a B.Sc. degree in Electronics Engineering from the Pontificia Universidad Javeriana in Cali, Colombia and received a PhD in computational neuroscience from EPFL. Dr. Chavarriaga has more than 15 years of experience in computational neuroscience and brain machine interfaces (BMI). He has written more than 30 journal papers and 70 conference papers (H-index: 23; Google Scholar 30/9/2016); including 16 publications in IEEE journals and conferences in the last 5 years. Since 2013 he co-chairs the IEEE SMC technical committee in BMI systems, and from 2016 he is part of the steering committee of the IEEE Brain Initiative. He currently seats in the editorial board of the journals IEEE Transactions on Human-Machine Systems, Brain-Computer interfaces and Frontiers in *Neurorobotics*. In the past he has organized BCI-related Tutorials and workshops at different conferences including the IEEE/ACM Human-Robot interaction conference 2011, the IEEE SMC conference (2011, 2014, 2015, 2016), the International BCI conference in Asilomar, California (2013, 2016). Besides his participation in scientific conferences, Dr. Chavarriaga is often involved in outreach activities targeted to broader audiences including clinical practitioners, interest groups and general public.

Statement: I hereby declare my intention to serve in the SMC BoG and my availability to fulfill the duties of this honorable position. As a member of the BoG, I would support the Board in its mission of acting for the good of the Society members. I will particularly commit to help the society to become more attractive to new members. My work in the SMC TC in brain machine interface systems has make it clear that our society can greatly help interdisciplinary fields such as BMI. Therefore, I will increase the outreach towards other communities (e.g. clinical, biotechnologies) to show them how they can benefit from joining experts in our society. I am positive SMC can be a lead actor in translating state-of-the-art research in neurotechnologies onto real applications.

I consider that this line of action can fully exploit the diversity of the SMC community, which is one of its main strengths. Very few societies benefit of such broadness and, as technological solutions often require multidisciplinary approaches is time for SMC to seize this opportunity. For this purpose, I will promote special cross-disciplinary activities (e.g. special sessions, workshops) that bring together different areas within the SMC. Furthermore, I will leverage the links with the IEEE Brain initiative and other societies (e.g., Brain Computer Interface society) to position SMC events and journals as referent sources of state-of-the art in BMI. For this purpose, I will mobilize and encourage members of the SMC community, both established leaders and rising junior researchers, to organize special issues, tutorials and special sessions in the SMC sponsored journals and conferences.

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HENRY BEEN-LIRN DUH (S'01-AM'01-M'04-SM'08) is the Director and Professor at University of Tasmania, Australia. He is also holding visiting and adjunct academic positions in China, India, Indonesia, Japan and Taiwan. He worked in Nanyang Technological University and National University of Singapore from 2003 to 2013. Professor Duh published 150 journal and conference papers, delivered more than15 keynote speeches and 50 invited talks world wide and his research has been support by the government agencies and various industries from Australia, Singapore, and Taiwan with more than USD$20 million dollars.

Professor Duh is a Fellow of British Computer Society, Fellow of the Institution of Engineering and Technology, UK, ACM Distinguished Speaker and the Editor-in- Chief of *Journal of Visual Languages and Computing* (Elsevier). He has been named as one of the Asian Human-Computer Interaction Heroes in ACM CHI2015 to recognise his contribution and development in HCI in Asia Pacific. He was in the expert panel of Infocomm Development Authority and National Research Foundation, Singapore.

He is actively involved in the academic and professional societies - Tasmania sub-section representative of IEEE Victoria Section; co-chair of IEEE SMC TC on visual analytics and communication; branch executive committee member of Australia Computer Society

Tasmania branch; Australia national representative International Federation of Information Processing (IFIP) TC 13: Human-Computer Interaction, and Associate Chair of International Chinese Association of Human-Computer Interaction.

He received the B.S. degree in psychology from the National Chengchi University, Taiwan, M.S. degree in industrial design from the National Cheng Kung University, Taiwan, in 1994, and M.S.I.E. and Ph.D. degrees in industrial engineering from the University of Washington (UW), Seattle, in 1999 and 2001, respectively, and did his postdoctoral training in NASA Jonson Space Centre in 2002.

Statement: IEEE SMC is an international venue to facilitate and promote interdisciplinary research across systems, cognitive science, engineering and social science. I have been trained and worked in different countries, disciplines and international professional societies. As a member of the BoG, I will value the opportunity to serve the Board and SMC members addressing the challenges and provide my expertise and learned lessons to promote the value of IEEE SMC to the regional places and developing countries. I will also bring to the BoG my extensive experience in all these key areas through my involvement in other professional societies organizations such as ACM, ACS, and IFIP. It is also critical for IEEE SMC to establish wider and closer cooperation with national and regional organizations throughout different continents. I will continue my efforts to promote awareness, seek for industrial supports and strengthen the relationship between academia and industry members.

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GYÖRGY EIGNER (GSM'14) graduated from Óbuda University Bánki Donát Faculty of Mechanical and Safety Engineering, Budapest in 2011, received his Mater Degree in Biomedical Engineering from the Budapest University of Technology and Economics, Budapest in 2013. He is in his final period of his PhD studies (as PhD Candidate) at the Óbuda University Applied Informatics and Applied Mathematics Doctoral School. His main research focus is the Control of Physiological Systems, however, he is interested in various technical fields, also. Beside his studies he is a Departmental Engineer at the Óbuda University John von Neumann Faculty of Informatics since 2013 and holds Researcher position in the Physiological Controls Group at the Research and Innovation Center of the Óbuda University. Since he start his scientific research he has published more than 25 papers in various journals and international conference proceedings. He is an Associate Editor of the *Acta Polytechnica Hungarica*. He is an active member of the Óbuda University Robotics Special College and the Union of Student's of Óbuda University wherein he is doing mentoring and organizing professional events and activities. In recognition of his scientific results he has awarded a "New Excellence Program of Hungary" Research Grant by the Ministry of Human Capacities of Hungary.

He is contributing to the SMCS on several levels and fields. He is the Chair of the Student Activities Subcommittee and an active member of the Óbuda Student Branch and Óbuda University's SMC Student Branch Chapter. He held the positions of Student Activities Co-Chair and Junior General Co-Chair at SMC 2016. He is invited into the organization committee of SMC Junior 2017. He does support the professional activities of SMCS as a member of the Computational Cybernetics and Cyber-Medical Systems Technical Committees. He was the Co-Organizer of the Cybernetics in Applied Sciences Junior Special Session at SMC Junior 2016. He was awarded by the "Outstanding Contribution Award" for contributions and outstanding service to the student activities of SMC Society in 2016.

Statement: As an internationally active academician and member in different student organizations, I can contribute to the development of the student, graduated student and young professional parts of the SMC Society and I could serve as a liaison in order to connect the experienced members to whom have less experience. I can see the needs of the scientific interested young academics and students and I can foster their activities and progression in the SMC Society via establishment of new initiatives and programs.

I am a confident and enthusiastic SMCS volunteer and I am strongly believe that I can contribute to reach our goals and to make our Society a great one!

It would be a great honor and privilege to serve the SMCS as a BoG member and to help to fulfill the objectives of the Society.

I hereby declare that I will continue to be a member of IEEE and the SMC Society in good standing for the full term.

I hereby declare that I am going to serve in the position for I am nominated for the full term. I will be available for duties and responsibilities as the position requires.

I hereby declare that I will attend on the annual BoG meetings and on the annual SMC conferences. I am going to contribute to the conferences as well as I can.

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FERIAL EL-HAWARY (M'82-SM'85-F'99-LF'13) received the B.Eng. degree from University of Alexandria, and the M. Sc. from the University of Alberta, Canada in Electrical Engineering, and the Ph.D. in Oceans Engineering from Memorial University of Newfoundland, Canada. Dr. El-Hawary is Former Professor at Dalhousie University, where she served on the Faculty of Engineering and directed the Modeling & Signal Analysis Research Laboratory. As a founder and current President of BH Engineering Systems Ltd., she established professional development courses, linking academic innovations to industrial needs of Systems and Electrical Engineering. Over the past 30 years she has made significant contributions in promoting and developing the advanced technology. She has published widely in IEEE Journals and served as Associate Editor of *IEEE Oceanic Engineering Journal*. She is the Editor-in-Chief of the *CRC Ocean Engineering Handbook*.

Contributions to the IEEE, SMC Society and Other Professional Societies:
IEEE: Served as IEEE-Canada (Region-7) Director 2008-09, and IEEE Board of governors 2008-2009. IEEE Conferences Services Committee Member, 2007-2008, IEEE History Committee member, 2005-2007. Member of TAB and Division IX Adhoc Committee.

IEEE/SMC: Current chair IEEE/SMC SSE - TC on "Unmanned Maritime Systems Engineering" (UMSE). Contributed in developing new IEEE/SMC Chapters in Montreal, Halifax and Vancouver, Canada. Served as Chair of the Organizing Committee IEEE -SMC'07, Montreal and a Co-Chair of IEEE-SMC'84 Conference, Halifax, Canada. She has been recognized by SMC as a recipient of the SMC Outstanding Contribution Award, (2008).

IEEE/Oceanic Engineering Society (OES): OES AdCom Member 2015-2017, OES former V.P. International Activities, 1993-1997; OES former Membership Development Committee Chair. Ferial established many of the OES Chapters in the past and served as IEEE OCEANS'08 General Co-Chair, and IEEE Section Congress'08 Organizing Committee Chair, both in Quebec. Served IEEE Canada as a Chair of International Humanitarian Technology Conference (IHTC'2014), Montreal.

Ferial is the recipient of the SMC Outstanding Contribution Award, (2008), the 2007 IEEE- EAB Meritorious Achievement Award in Continuing Education, Marine Technology Society (MTS) Ocean Engineering Compass International Award, 2005, the J.J. Archambault Eastern Canada Council Merit Award, 2002, IEEE Third Millennium Medal, 2000, 1999 RAB Achievement Award, IEEE/OES Distinguished Service Award, 1997, Fellow of MTS, 1985, and is a Fellow of the Engineering Institute of Canada (EIC), 1997. She has been a Fellow of IEEE since 1999.

Statement: My association with SMC has been a rewarding experience, specifically with Canadian-based conferences in Montreal and Halifax. I would like to continue my excellent relationships with the society's senior volunteers.
I will continue to:
- Focus on SMC Members and their needs to grow our Membership Base worldwide.
- Develop Tutorials and Workshops focusing on Underwater Robotics.
- Co-operate with other IEEE Technical Societies in cosponsoring Workshops and Conferences.
- Use my conference organization experience to contribute to SMC Conference Policies and Procedures.
- Work to increase the SMC Visibility by sponsoring Scholarships for top students in our areas of interest.
- Contribute to growing and enhancing global SMC student activities.
- Establish some carrier development sessions for young professionals during SMC Conferences.
- Work with Society leaders from industry to foster additional areas for industrial applications such as Underwater Robotics, Underwater Vision, and Control Systems Applications.
- Connect SMC with Industry through invited Speakers and Industrial Exhibits Program.

I am pleased to serve and continue my commitment to contribute to the SMC BoG.

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ENRIQUE HERRERA-VIEDMA (AF'11-SM'15) is Full Professor in Computer Science of the Dept. of Computer Science and Artificial Intelligence, University of Granada (Spain). He received his Ph.D. in Computer Science from the University of Granada (Spain) in 1996. In the past, he was Vice- Dean of Research and Technology in Library Science School, and presently he is Vice-President for Research and Knowledge Transfer in University of Granada. Dr. Herrera-Viedma has published more than 350 refereed journal and conference papers related with the areas of computational intelligence, fuzzy decision making, computing with words, linguistic preference modelling, fuzzy information retrieval, recommender systems, Web quality, social media, digital libraries and bibliometrics. In these areas he has coordinated more than 20 research projects funded by public entities and private enterprises as Bank of Navarra, Bank of Granada, Telefonica I+D, DSI Spain. He has also addressed more than 20 Doctoral Thesis in their research fields and he has been guest editor in more than 15 special issues in JCR international journals. Dr. Herrera-Viedma is the head of research laboratory SECABA in Granada University, which is composed of more than 25 researchers in different research fields like statistical, library science, social work, sociology, management, economy, computer science and engineering. Dr. Herrera-Viedma has established a consolidated collaboration with relevant researchers of our community as Prof. Witold Pedryck, Janus Kapryck, Prof. Hamido Fujita, Prof. Ronald Yager, Prof. Christer Carlsson, Prof. Vincenzo Loia. Dr. Herrera-Viedma is also coordinating several research groups in different world universities in which is a Distinguished Visiting Professor as De Montfort University (UK), King Abdulaziz University (Saudi Arabia), University of Cauca (Colombia), Technologic University of Queretaro (Mexico), Iwate Prefectural University (Japan), Southwestern University of Finance and Economics (Chengdu, China), and Business School, Sichuan University, (Chengdu, China). He also develops activities of external evaluator in the national research programs of Spain, France, Italy, Portugal, and Switzerland. Dr. Herrera-Viedma is Associate Editor in 14 JCR journals as *IEEE Transactions on Systems Man and Cybernetics: Systems*, *IEEE Transactions on Intelligent Transportation Systems*, *Information Sciences*, *Knowledge Based Systems*, *Applied Soft Computing*, *Information Fusion*, *Journal of Intelligent and Fuzzy Systems*, *Fuzzy Optimization and Decision Making*, *Engineering Applications of Artificial Intelligence*, *Technological and Economic Development of Economy*, *Journal of Ambient Intelligence and Humanized Computing*, *International Journal of Fuzzy Systems*, *International Journal of Machine Learning and Cybernetics*, and *Soft Computing*, and member of the editorial board in 4 JCR journals: *Fuzzy Sets and Systems*, *Int. J. of Information Technology and Decision Making*, *Int. Journal of Computers and Communication Control*, and *Int. J. of Computational Intelligence Systems*. He has served as Guest Editor in many special issues of international journals as *Soft Computing, Fuzzy Optimization and Decision Making*, *Information Processing & Management*, *J. of American Society of Information Sciences and Technology*, *Fuzzy Sets and Systems*, *Soft Computing*, *Information*

Sciences, etc. He has also been a member of the Program Committees for many international conferences and received the 2011 IEEE CIS TFS Outstanding Paper Award. His H-index is 53 according to the Web of Sciences (with more than 10800 citations) and 66 according to Google Scholar (with more than 18500 citations) and many of his papers have been considered hot papers according to the ISI database Essential Science Indicators of Thompson Reuters. He has recently published in the prestigious journal Science [339:6126 (2013) p. 1382] on the new role of the public libraries, and he has been identified in 2014 and 2015 like one of the World's Most Influential Scientific Researchers by Shangai Center and Thomson Reuters in both categories, Computer Science and Engineering.

Contributions to the IEEE, SMC Society and Awards: Chair of Invited Sessions, The 2010 IEEE World Congress on Computational Intelligence (IEEE WCCI 2010), Barcelona, Julio 2010; Organizer of various special sessions in IEEE/WIC/ACM International Conference on Web intelligence. (WI-09)Milan, Italy, September 15-18, 2009; Organizer of various special sessions in IEEE Int. Conf. on Fuzzy Systems (FUZZ-IEEE 2007), Londres (U.K), July 2007; FUZZ-IEEE 2014, Beijing; FUZZ-IEEE 2015, Estambul, FUZZ-IEEE 2016, Vancouver; General Co-Chair: IEEE-3rd International Conference on Control, Decision and Information Technologies, Malta, 2016; Program Co-Chair: IEEE International Conference on System Science and, Engineering, (ICSSE 2015), Iwate, Japan, 6-8 July 2015; Member of PC, for various IEEE Conferences; Associated Editor of *IEEE Transactions on Intelligent Transportation Systems* from 2015; He has served as member of the government of the IEEE SMC Society during the years 2014 and 2015; He is member of the Ethic committee of the IEEE SMC Society; He is Associated Editor of *IEEE Transactions on Systems Man and Cybernetics: Systems* from 2013; 2011 IEEE CIS TFS Outstanding Paper Award; 2016 IEEE SMC: Systems Outstanding Paper Award.

Statement: If elected, I will commit myself to promoting SMC technical activities so as to increase the SMC member number. For the future, I would like to promote new Cybernetics TCs focused on important research areas like "Recommender Systems", "Intelligent Decision Making and Consensus". In addition, I will strive for increasing impact factors of SMC Transactions and developing technologic vigilance activities in our interest topics.

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SAEID NAHAVANDI (M'92-SM'07) received his PhD degree in Automation and Control in 1991 from Durham University (UK). He is an Alfred Deakin Professor and holds the Chair in Engineering. He is also the founder and Director of the Institute for Intelligent System Research and Innovation at Deakin University (Australia), leading 60 researchers. Dr. Nahavandi's principal research interests are in human machine interaction, haptics, modeling and simulation. He has focused on designing theories and algorithms for modeling and forecasting, uncertainty quantification, and decision-making using advanced artificial intelligence and soft computing methods.

His research has been supported by the Australian Research Council, Department of Defence, Defence Science and Technology Organisation, Australian Nuclear Science and Technology Organisation, Australian Institute of Sport, ABB, Boeing Research and Technology, Ford Motor Company, Futuris, General Motors, General Dynamics, Marand, Nissan Motor Company, Telstra and Vestas. The output of his research has been widely published in over 550 journal and conference papers. He is a Fellow of IET.

Contributions to the SMC Society and the IEEE: Professor Nahavandi is a Senior Member of IEEE and is a member of the IEEE SMC Society in good standing. He has been actively promoting applied research and industry engagements through his involvements in various IEEE sponsored activities, conferences and in particular the Systems, Man, and Cybernetics Society. This includes:
-General Co-Chair: IEEE SMC 2011, Anchorage, AK, USA, 09 Oct - 12 Oct 2011
-Technical Committee Chair: IEEE SMC, System Science and Engineering, TC on Robotics and Intelligent Sensing (Since 2015)
-Technical Activities Committee member, IEEE SMC Systems Science and Engineering - 2015
-Chair and founder: IEEE SMC Victorian Chapter, Australia – (Since 2014)
-Associate Editor: *IEEE Transaction on Systems, Man, and Cybernetics: SYSTEMS* (Since 2013)
-Associate Editor: *IEEE SMC Magazine* (Since 2014)
-Member – IEEE SMC Society - Publications Ethics Committee (Since 2013)
-Co-Editor-In-Chief: *IEEE Systems Journal* (Editorial Board member (Since 2007)
-Associate Editor: *IEEE/ASME Transaction on Mechatronics* (Since 2014)
-Associate Editor: *IEEE SMC Magazine* (Since 2014)
-Member: *IEEE Access* Editorial Board (Since 2012)
-Member: *IEEE Press* Editorial Board (2008-2010), (2011-2013)

Professor Nahavandi has organized several Special Sessions on Human Machine Interface and Haptics for IEEE SMC 2012, 2013, 2014, 2015 and IEEE SMC 2016, IEEE RO-MAN 2014 and ICRA 2014. He served as technical committee member for IEEE SMC 2005-2009, 2011-2014, 2015, 2016, Associate Editor - *The IEEE/RSJ* 2008, IROS 2008, *IROS* 2009, *IROS* 2010, *IEEE/ASME AIM* 2009. In addition, he served as committee member for IEEE International Systems Conference 2008-2014. Dr. Nahavandi organised 15 special lectures for IEEE SMC Victorian Chapter in 2015. He received the IEEE SMC Outstanding Contribution Award for the Planning and Organizing of SMC 2011.

Statement: I would be deeply honoured by to become involved with the IEEE SMC Board of Governors, and I welcome the opportunity to expand my service to the society through this position. I will work closely with other members of the BoG and the SMC Society on the continued improvement in quality of SMC sponsored conferences. In addition, with over 25 years of experience in delivering applied research to industry I will devote my time to the development of strategies that encourage increasing the industrial participation of the

Society. With a great passion for detail and believing in quality driven processes, I see myself as a dedicated person, eager to make a difference and serve in achieving the goals of SMCS and its membership.

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KAREN PANETTA (S'84-M'85-SM'95-F'08) is a Fellow of the IEEE. Dr. Panetta received the B.S. in Computer Engineering from Boston University, and the M.S. and Ph.D. in Electrical Engineering from Northeastern University. She is the Associate Dean for Graduate Engineering and a Professor of Electrical and Computer Engineering and Adjunct Professor in Computer Science at Tufts University. Karen has traveled around the globe to inspire youth to pursue engineering through her internationally acclaimed "Nerd Girls" Program, a program that shows how engineers and scientists are creating innovations for the benefit humanity. She is the recipient of numerous awards. In 2011, U.S. President Obama presented Karen with the NSF Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring. Karen has been a member of IEEE for over 33 years and an IEEE Student branch adviser for 23 years. She has served as the IEEE-USA Vice President of Communications, the 2011 IEEE Boston Section Chair and is the Editor-in-Chief of the award winning *IEEE Women in Engineering Magazine*.

Qualifications: I have help start and organize financially successful conferences such as the IEEE Homeland Security Conference as well as the IEEE Technologies for Robot Applications conference. In addition, I have organized over 50 IEEE technical conferences and conducted outreach events to over 85,000 K-12 students, educators, and government officials. I have served on every major awards program for IEEE including the IEEE Medals. In these roles, I have learned the best practices for recruiting and recognizing the most promising candidates. As the Chair of the IEEE Boston Section with over 8500 members, I have led efforts in seeking new sources of funding revenues, securing many new industry sponsors for our events and implementing a new volunteer recruitment program to engage our members. The Section was awarded the IEEE MGA Best Large Section Award for the year I was Chair. These qualities demonstrate that I have the capacity to work effectively across broad audiences. I believe these skills are valuable in promoting the goals and mission of SMC beyond our membership. It would be a great honor to serve in this role. Thank you for considering my candidacy.

Statement: We should continue to forge new paths for innovation and economic growth for our SMC members by supporting entrepreneurship, diversity in the workforce and inspiring future generations of youth to view engineering and science as a means of achieving a healthy, successful living. The SMC can continue to grow and flourish by: 1) Strengthening Industry partnerships. Our volunteers are leaders in the world's most progressive companies. Industry leaders can provide valuable input to help SMC prioritize the greatest challenges through round tables and forums with government leaders. 2) Communicating volunteer opportunities for our out-of-work members. Engineers that have been out of the workforce need new contributions on their resumes. We can help transition our out of work members back into the work force through participation in outreach programs, serving as reviewers for conferences or creating new curriculum for engineering education. Providing their professional expertise to products and curricula is a winning synergy. 3) Changing the public perception of engineers and scientists in the media. Man-Machine systems and cybernetics topics are some of the least understood fields of IEEE interest within the general public. It is important that we collaborate with other expert organizations to promote more realistic and positive images of engineers, while stressing the importance of the profession for benefitting humanity.

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WEIMING SHEN (M'98-SM'02-F'13) is a Senior Research Scientist at the National Research Council Canada and an Adjunct Professor at the University of Western Ontario, Canada. He is a Fellow of IEEE, a Fellow of the Engineering Institute of Canada, and a registered professional engineer in Ontario. He received his Bachelor and Master's degrees from Beijing Jiaotong University, China and his Ph.D. degree from the University of Technology of Compigne, France. His recent research interests include agent-based collaboration technology and applications, wireless sensor networks and Internet of Things, intelligent buildings and smart homes. He has published several books and over 400 papers in scientific journals and international conferences in the related areas. His work has been cited over 8,000 times with an h-index of 43. He has been invited to provide over 60 invited lectures/seminars at different academic and research institutions over the world and over 15 keynote presentations/tutorials at various international conferences. He has served as General Chair or Program Committee Chair of about 20 IEEE sponsored conferences and Program Committee member of over 100 international conferences.

Contributions to the SMC Society and the IEEE:

- SMC Representative at the Steering Committee of the *IEEE Transactions on Affective Computing*
- Associate Editor of *IEEE TSMC: Systems* (2015-), *IEEE SMC Magazine* (2014-), *IEEE TSMC-C* (2011-2012), and *IEEE TASE* (2012-2015)
- Technical Program Track Co-Chair of IEEE SMC 2014
- IEEE SMC Distinguished Lecturer (2015-)
- Invited Lecturer at SMC Celebration Lecture Series, Toronto, Canada and Rochester, USA, 2014
- Co-Chair of IEEE SMC Technical Committee on Computer Supported Cooperative Work in Design; won 2011 Most Active Technical Committee Award
- Founding Chair of IEEE London (Canada) SMCS/CS Joint Chapter
- Member of Industry Committee of the IEEE SMC Society
- Member of IEEE SMC 2013 Best Student Paper Award Panel
- Member of the IEEE SMC TC on Distributed Intelligent Systems

- Member of the IEEE SMC TC on Interactive Wearable Computing and Devices
- Program Committee Co-Chair of IEEE CSCWD 2012~2016 conferences
- Co-organizer of over ten special sessions at IEEE SMC conferences
- Guest editor of special issues for *IEEE TSMC-C*, *IEEE TSMC: HMS*; *IEEE TASE*; *IEEE TSC*
- Author/co-author of two review papers for *IEEE TSMC-C*
- Chair / Vice-Chair of IEEE London (Canada) Section for four years; won 2011 IEEE MGA Outstanding Small Section Award & 2011 IEEE Canada Exemplary Small Section Award
- Board Member of IEEE Canada (Region 7 of IEEE) in 2012
- Co-Chair / Member of over 30 other IEEE sponsored conferences

Statement: If elected, I will do my best to serve the SMC Society and its members with commitment and enthusiasm. I have many years of experience with and services in the SMC Society (on technical activities) and the IEEE (at the region, section, and technical chapters). I am very confident that I am able to fulfill my roles on the SMC Society Board of Governors. I am proud of my long-term association with SMC and IEEE, and I am keen to continue my involvement towards the promotion and advancement of the SMC Society. In particular, I look forward to contribute in the areas of Technical Activities, Conferences, and Publications. I would also like to confirm that:
- I will continue to be a member of IEEE and the SMC Society in good standing for the full term.
- I am willing to serve the position for which I am nominated for the full term. I will be available for duties and responsibilities as the position requires.
- I will attend the annual BoG meetings. I will also actively support and participate in the SMC annual conference by submitting papers, organizing and participating in special sessions and workshops, panel sessions, and/or tutorials.

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THOMAS I. STRASSER (M'09-SM'12) earned a PhD in mechanical engineering with a focus on automation and control theory from the Vienna University of Technology. For several years, he has been a senior scientist in the Energy Department of the AIT Austrian Institute of Technology. His main responsibilities involve strategic development of smart grid research projects and mentoring and advising junior scientist and PhD candidates. Before joining AIT, Dr. Strasser spent more than 6 years as senior researcher investigating advanced and reconfigurable automation and control systems at PROFACTOR. He is active as a lecturer at the Vienna University of Technology and as a guest professor at the University of Applied Sciences in Salzburg.

Thomas Strasser is the co-author of more than 150 scientific publications (journals, book chapters, editorials, conference papers) as well as 2 patents in the above mentioned areas. He is an active member of program committees of scientific conferences and serves as an associate editor of Springer, Hindawi, and IEEE scientific journals. Moreover, as senior member of the IEEE he is involved in several activities of the IES, SMCS, and PES societies and the IEEE Austria Section.

Contributions to the IEEE, SMC Society and Other Professional Societies:
IEEE Systems, Man, and Cybernetics Society (SMCS):
- Co-Chair of IEEE SMCS TC on Intelligent Industrial Systems (TC-IIS), since 2015
- Member of IEEE SMCS TC on Distributed Intelligent Systems (TC-DIS), since 2010
- Member of the IEEE SMCS Standards Committee (SC), since 2015
- SMCS representative and secretary of IEEE-SA P2660.1 "Recommendation Practices on Industrial Agents: Integration of Software Agents and Low Level Automation Functions", co-sponsored by SMCS SC, supported by SMCS TC-DIS and SMCS TC-IIS, since 2015
- Publicity co-chair of IEEE SMC 2014, San Diego, CA, USA, 2014
- General Chair of IEEE IWIES 2013 (SMCS techn. sponsored) and 2014 (SMCS fin. sponsored)
- General Co-Chair of HoloMAS 2009 (SMCS techn. sponsored), Linz, Austria, 2009
- Program committee member of IEEE SMC 2014, 2015, and 2016
- Program committee member of HoloMAS 2005, 2007, 2009, 2011, 2013, 2015 (SMCS techn. sponsored)
- *IEEE Transactions on Systems, Man and Cybernetics: Systems*, Special Issue on "Industrial Applications of Distributed Intelligent Systems", corresponding guest editor, published 2014

Other IEEE Related Activities:
- Committee member of IEEE IES Standards Committee (SC), since 2011
- IEEE IES Industry Forum Member, since 2013
- Program Chair of EDST 2015 (IEEE IES technically supported), Vienna, Austria, 2015
- Associate Editor of *IEEE Transactions on Industrial Electronics* (*TIE*), since 2015
- Associate Editor of *IEEE Transactions on Industrial Informatics* (*TII*), since 2015
- Member of IEEE PES Task Force on Real-Time Simulation Methods for Power & Energy Systems, since 2011
- Secretary and member of the ExCom of IEEE Austria Section, since 2015

Statement: As a MaL of the IEEE SMC Society I would support the society in promoting the theory, practice, and interdisciplinary aspects of systems science and engineering, human-machine systems, and cybernetics. Moreover, I will help the society to become more attractive to members by distributing and disseminating society-related information at international events. I will help to get more industry

members involved in IEEE SMC Society activities, especially also on standardization. In addition I would support the society in the interaction and cooperation with other IEEE societies especially in the fields of systems engineering and cybernetics.

Finally, I commit myself to be an active IEEE and SMC Society member for the full MaL term with all its duties and responsibilities (incl. attendance of the annual BoG meetings).

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CHING-CHIH TSAI (S'90-M'91-SM'00) is currently a distinguished Professor in the Department of Electrical Engineering, National Chung Hsing University, Taichung, Taiwan, where he served the department chairman from 2012 to 2014. He received the Diplomat in Electrical Engineering from National Taipei Institute of Technology, Taipei, Taiwan, the MS degree in Control Engineering from National Chiao Tung University, Hsinchu, Taiwan, and the Ph.D. degree in Electrical Engineering from Northwestern University, Evanston, IL, USA, in 1981, 1986 and 1991, respectively. Dr. Tsai has published more than 400 refereed journal and conference papers, and seven patents, where the main contributions have been in his prestigious scientific contributions to enrich both solid theoretic and practical foundations of intelligent adaptive learning control for industrial systems and intelligent machinery. He served as the President of Chinese Automatic Control Society (CACS) from 2012-2015. In recent years, he has served an associate editor of IEEE Transactions on Systems, Man Cybernetics: Systems, International Journal of Fuzzy Systems, and International Journal of Electrical Engineering. Moreover, he has served as the President of Robotics Society of Taiwan (RST) since 2016, a steering committee of Asian Control Association (ACA) since 2014, and SMC Representative on BoG, IEEE Nanotechnology Council since 2015. He has been elevated to Fellow of CACS in 2008 and IET/IEE in 2009.

Not only did he contribute to outstanding academic achievements and other professional societies, but he was also very active in involving with IEEE activities, including chairs of three IEEE Chapters, the chair of SMC TC on intelligent learning in control systems, Award co-chair at SMC 2009, Track chair at SMC 2010, special session co-chair at SMC 2014, publicity chair at SMC 2015, problem co-chair at SMC 2016, and program committees for many IEEE conferences. He received Certificate of Appreciation from SMC for student activities in 2009, and received IEEE SMC Most Active TC Award in 2012. Recently, his extraordinary accomplishments and excellent services have been well recognized due to his devotion to serving as general chairs, and program chairs in various international conferences sponsored, or technically co-sponsored by IEEE.

Statement: If elected, I will commit myself to promoting SMC technical activities so as to increase SMC member number and establish more technical committees. I will contribute my professional expertise with my influence in Asia Pacific Region to strengthen technical activities of IEEE SMCS. Since the SMC society is a leading technical society in Systems, Man, and Cybernetics areas, I hope to enhance both depth and breadth of our rich interdisciplinary society. Moreover, I will be devoted to facilitating technical interactions among SMCS members, technical committees and local chapters.

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FEI-YUE WANG (S'89-M'90-SM'94-F'04) received his Ph.D. degree in Computer and Systems Engineering from RPI, Troy, New York, in 1990. He joined the Department of Systems and Industrial Engineering at the University of Arizona in 1990 and became a Professor (1999) and Director of the Robotics and Automation Lab (1990-2011) and Program in Advanced Research for Complex Systems (1999-2011). In 1999, he founded the Intelligent Control and Systems Engineering Center at the Institute of Automation, Chinese Academy of Sciences (CAS), Beijing, China, under the support of the Outstanding Oversea Chinese Talents Program from the State Planning Council and "100 Talent Program" from CAS. In 2002, he was appointed as the Director of the Key Laboratory of Complex Systems and Intelligence Science, CAS, and later Vice President of Institute of Automation, CAS. In 2011, he became the State Specially Appointed Expert and the Director of the State Key Laboratory for Management and Control of Complex Systems. In 2008, he became the Vice President and Secretary General of Chinese Association of Automation. Dr. Wang has authored over 600 papers, 20 patents, and dozens of books. He received more than 20 international awards and honors, and dozens of prizes of national and provincial levels for his excellent work in intelligent control, parallel intelligence, social computing, parallel management and control for complex systems. Dr. Wang was elected as Fellow of IEEE, IFAC, INCOSE, ASME, and AAAS. In 2007, he received the National Prize in Natural Sciences of China and was awarded the Outstanding Scientist by ACM. In 2014, he received the Norbert Wiener Award from IEEE SMC.

Contributions to the SMC Society and the IEEE:

IEEE: President, IEEE ITS Society (2005-2007); Member, IEEE Fellow Committee (2012-2014); Chair, IEEE ITS Society Fellow Evaluation Committee (2005-2014); EiC, *IEEE Intelligent Systems* (2009-2012); EiC, *IEEE Transactions on Intelligent Transportation Systems* (2009-2015); EiC, *IEEE/CAA Journal of Automatica Sinica* (2014-present); General/Program Chair, ITSC 2003/2008/2014, IV 2004/2005/2009; IEEE ITS Outstanding Research Award (2011), IEEE TNNLS Outstanding Paper Award (2017).

SMC Society: SMC Representative to IEEE ITS Council (2000-2005); Program Chair, IEEE 2001 International Conference on Systems, Man, and Cybernetics, Tucson, AZ, USA (2001); AE, *IEEE Transactions on Systems, Man, and Cybernetics: Part A, Part B, Part C* (2001- 2005); Franklin Taylor Best Paper Award, IEEE SMC Society (2002); Outstanding Contribution Award, IEEE SMC Society (2002); Member, BoG, IEEE SMC Society (2002-2005); AE, *IEEE Transactions on Systems, Man, and Cybernetics: Part A* (2005-present); Norbert Wiener Award, IEEE SMC Society (2014); Norbert Wiener Lecture, IEEE International Conference on Systems, Man, and Cybernetics, Hong Kong (2015).

Statement: I have been serving for SMC society in many different ways in the past. I consider the BoG position as an extremely important role for the well-being of the society. If elected, I will work with other board members to advance important initiatives of the society and commit myself to promoting SMC activities with the highest quality. I will do my best to fulfill my duty as a member of the BoG.

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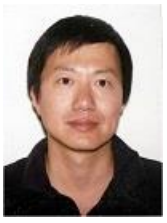

WEN YU (M'99-SM'04-AF'14-SM'16) is a professor at National Polytechnic Institute (CINVESTAV-IPN), Mexico City, Mexico. He has more than 20 years of experience in leading research in intelligent control. Specifically, his contributions include stability and passivity analysis of dynamic neural networks; the first proof of the gradient algorithm being stable with time -varying updating rate; deep learning in nonlinear system modeling, etc. He has published almost 100 SCI papers including 30 papers in IEEE Trans. In addition, he also has two monograph books. His Google Scholar h-index is 33, the citation number is 4100. He serves as associate editors of *IEEE Transactions on Cybernetics*, *Neurocomputing*, and *Journal of Intelligent and Fuzzy Systems*. He is a member of the Mexican Academy of Sciences. He also has been organized many international conferences as the general chair.

He holds positions as a Senior Visiting Research Fellow with Queen's University Belfast, U.K., from 2006 to 2007, and a Visiting Associate Professor with the University of California, Santa Cruz, from 2009 to 2010, and a research position in the Mexican Institute of Petroleum from 2002 to 2003. He received his B.Sc. degree from Tsinghua University, China in 1990. M.S. from Northeastern University, China in 1992, and Ph.D. from Northeastern University, China in 1995.

Contributions to the SMC Society and the IEEE:
Member of Program Committees:
-2009 IEEE Symposium on Computational Intelligence in Control and Automation, Nashville, USA 2009 IEEE International Conference on Networking, Sensing and Control, Okayama City, Japan 2009 International Joint Conference on Neural Networks, Atlanta, USA
-2011 IEEE International Conference on Control Application, Denver, USA
-2011 IEEE Symposium on Computational Intelligence in Control and Automation, Paris, France 2012 IEEE International Conference on Control Application, Dubrovnik, Croatia,
-2013 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning, Singapore 2015 IEEE Canadian Conference on Electrical and Computer Engineering, Halifax, Canada,
-2015 IEEE Symposium Series on Computational Intelligence, Cape Town, South Africa 2016 IEEE Symposium Series on Computational Intelligence, Athens, Greece

SMC Society:
Member of Program Committees: 2003 -2016, IEEE International Conference on Systems, Man, and Cybernetics, Technical Committee Member of Adaptive Dynamic Programming and Reinforcement Learning of IEEE Computational Intelligence Society.

Statement: As a member of the BoG, I would support the Board in its mission of acting for the good of the Society members. I will continue to be a member of IEEE and the SMC Society in good standing for the full term. I will be available for duties and responsibilities as the position requires. I will attend the annual BoG meetings by submitting papers, organizing and participating in special sessions and workshops, panel sessions, and/or tutorials in the SMC annual conference. I will help the society become more attractive to members by creating SMC chapter in Mexico City. I will improve publication quality by participating reviewing papers submitted to SMC transactions. I will also improve the conference publication quality by originating SMC conferences in Mexico.