IEEE CIRCUITS AND SYSTEMS SOCIETY
ELECTION OF MEMBERS TO THE BOARD OF GOVERNORS
For a Three-Year Term 1 January 2025 – 31 December 2027

JINWOOK BURM (M'98-SM'19) earned his B.S. degree in physics from Seoul National University, Seoul, Korea, in 1987, his M.S. degree in physics from the University of Michigan, Ann Arbor, in 1989, and his Ph.D. in applied physics from Cornell University, Ithaca, NY, in 1995. After completing postdoctoral work at Cornell University and Bell Labs, Lucent Technologies, Murray Hill, NJ, he joined the Department of Electronics Engineering at Sogang University, Seoul, Korea, as an Assistant Professor in 1998. He is currently a Professor at Sogang University.

He worked on millimeter wave ICs and high-speed GaN transistors at Cornell, contributing as an author of the first microwave GaN transistors. While at Bell Labs, Lucent Technologies, he focused on high-speed optoelectronic circuits that enabled the information highway. At Sogang University, he is currently engaged in various research projects, including high-speed CMOS interface circuits, sensors, and neuromorphic circuits. He has made significant advancements in low-power CMOS image sensor technologies using a 2-step conversion structure. Recently, his group invented a frequency detector for high-speed communications, facilitating referenceless Clock and Data Recovery Circuits. He has also served as an advisor for the optoelectronic division of Samsung Electronics for five years and worked at Pixelplus Semiconductor for one year as a principal scientist. He has authored over 200 papers and holds 40 patents. His research has earned him several awards, including one from the Ministry of Trade, Industry and Energy of Korea, and best paper awards from the International SoC Design Conference (ISOCC) and the Institute of Electronics Engineers of Korea (IEEK).

He has been the chair of the CASS Seoul Chapter since 2019. His roles in various conferences include TPC co-chair of AP-ASIC 2004, Treasurer of the International Symposium on Circuits and Systems (ISCAS) 2012 in Seoul, Korea, General Chair of ISOCC 2015, General Co-Chair of ISCAS 2021 in Daegu, Korea, and General Co-Chair of ISICAS 2023 in Jeju, Korea. In 2021, he served as the president of the Institute of Semiconductor Engineers, a Korea-based semiconductor society. He is currently a Board of Governors member at large of CASS for the term 2022-2024.

Statement: Technological advancements have ushered in a digital and AI-driven era, making these innovations essential to our lives. With CASS at the forefront, I am honored to serve its members. IEEE CASS excels in leading technical advancements and fostering industry-academia interactions. If elected to the Board of Governors, I will help members achieve their goals and provide programs to meet their needs.

Expanding Membership to Young Professionals and Industry: Ensuring the continued progress of CASS requires expanding membership and embracing multiple generations. Through organizing conferences and technical workshops like ISCAS 2012 and 2021 (as General Co-Chair), APCCAS 2016, various ISOCCs, and Prime 2026 (TPC Co-Chair), I've seen how inviting students and industry members to our high-quality programs significantly boosts membership. Showcasing CASS opportunities at technical events effectively attracts new members.

Extending Educational Programs: CASS should offer new educational programs. I aim to expand these offerings, transforming technical content into a lifelong educational system.

In summary, being elected to the Board of Governors would be a privilege. I will work diligently to serve CASS and its members, providing valuable technical content and expanding CASS.

Questions:
1) What are in your opinion the three most important services that CASS should provide to its membership?
IEEE CASS promotes technical activities and supports its members in achieving excellence. Helping members excel in their technical fields is CASS's most essential role. While all CASS services are valuable, I consider the following to be the most important:
1. Lectures, reviews, tutorials, and technical talks on cutting-edge technologies to keep members informed with the latest developments.
2. High-quality publications of journals, books, and magazines, enabling members to publish their work and communicate with colleagues.
3. Technical and social interactions to help members expand their networks, exchange information, and find better solutions to problems.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.
CASS, a major IEEE group, must grow to better serve modern society. To achieve this, I propose a program to boost membership, especially among young professionals and industry delegates. Many engineers have yet to join CASS, and we can attract them by increasing industrial involvement. This involves inviting industry experts to CASS conferences and events, encouraging their participation and motivating them to join. By addressing the needs of young professionals and industry delegates, we can create a more inclusive and dynamic CASS community, ensuring its growth and relevance in the evolving technological landscape.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)
Fostering young professional (YP) scientists and engineers' involvement in CAS activities is important, I think, in continuing technical innovations.
1. Provide exemptions or discounts of membership fee for the first-time student members to provide the chance to experience CASS benefits.
2. Extend on-line educational and technical materials to help young professionals to learn new and emerging fields.
3. Encourage young CAS members to participate CASS meetings. Special sessions such as YP (young professional) CAS, student travel grants, and design competitions in CAS conferences are the examples of the encouragements.

JIE CHEN (S'95-M'99-SM'04-F'16) Dr. Jie Chen is the Founding Dean of the College of Biomedical Engineering at Fudan University, China. He received his Ph.D. from the University of Maryland at College Park in 1998 and received the Distinguished Alumni award in 2020. His biomedical circuits and systems research includes integrated circuits for wireless radio frequency energy harvesting and low-intensity pulsed ultrasound for dental tissue formation, which was listed by Readers' Digest as a major medical breakthrough in Canada in 2006. He received the Killam award (one of the highest honors for Canadian professors) in 2015. He has also received the ASTech Award (the highest honor to an inventor in Alberta, Canada) in 2023. Dr. Chen has co-founded two successful Bell Lab's spinoff companies (Flarion Technologies, which was acquired by QUALCOMM in 2005, and iBiquity Digital Corporation, which was acquired by DTS Inc. in California in 2015). He holds eight U.S. patents and three foreign patents, which have been licensed or acquired by five companies. Dr. Chen is a Fellow of Canadian Academy of Engineering and American Institutes for Medical and Biological Engineering.

Dr. Chen's IEEE Circuits and Systems services date back to 2000 when he served as associate editor of IEEE Trans. on Multimedia. He has served as an associate editor for several CAS journals and a guest editor for many special issues. From 2009 to 2010, he was a Technical Committee Chair, Life Science Systems and Applications Committee. He served as Technical Committee Co-chair for BIOCAS 2023 and 2024. He is currently an IEEE CAS Board of Governor and is leading the production of a documentary film to commemorate the 75th anniversary of CAS.

Dr. Chen has co-authored three books, three book chapters, and 246 peer-reviewed journal papers and conference proceeding papers. Many of these papers have been published in IEEE top journals, such as Proceedings of IEEE (impact factor: 10.69). He has also published papers in high-impact journals. According to a Google Scholar Search (http://scholar.google.ca/citations?hl=en&user=kLA9_-8AAAAJ), Dr. Chen's h-index is 45 and i10-index is 121 with his mostly highly cited number exceeding 891 citations, and a total citation number of 8762.

Statement: After serving as a Board of Governors over the past three years, I have realized one of CAS' significant challenges is attraction of young and industry members. Despite CAS's strength in circuit research, I believe we should leverage the focus on systems, such as Artificial Intelligent Circuits and Systems, the model used by Nividia. Another example includes Elon Musk's company Neuralink which focuses on brain-computer interface circuits and systems. An integrated circuits and systems model will create additional opportunities to strengthen the society's relationship with industry. If I am re-elected to the BoG, my main priority will be to promote systems research within CAS.

Incentivization to increase industry memberships is a priority. Unlike academia researchers, companies often restrict their employees from disclosing detailed designs. Therefore, we need to evaluate these papers using criteria other than novelty and impact. Our focus should shift towards assessing the real-world impact of industrial contributions, and thus we may consider allowing one-page conference abstract submissions. Additionally, we should set aside slots for industry demo sessions so that our industrial participants can showcase and discuss their latest innovations. By increasing our engagement with industry members, we will also facilitate the translation of ideas into commercial products.

Questions:
1) What are in your opinion the three most important services that CASS should provide to its membership?
   a) Engaging with young circuits and systems engineers. I will work closely with our CAS Vice President-Industry to solicit senior industry members to provide guidance to students and early career members about preparing for the job market and future employment.
   b) Encouraging greater participation from industry CASS members. To provide incentives, we should reduce membership fees for returning early career industry members and recent graduates.
   c) Including women and other minority groups in circuits and systems research. I embrace the principles of diversity, equality and inclusiveness to foster an environment in which all voices are heard and respected.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.
   A long-term initiative is to increase CASS membership and retain existing memberships. Current CASS members are mostly students, many of which do not renew their memberships after graduation. An initiative that I have proposed over the past years to address membership retention is to offer online courses focused on coaching recent graduates on to launching a business. In 2023, as part of CASS education, we offered a 6-week online course titled "Innovation Generation Basics: Towards an Entrepreneurial Journey in Circuits and Systems." If I am elected, I would like to expand this effort to increase CASS membership.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)
   a) Provide students and recent graduates with additional discounts for IEEE conference registration. Students and recent graduates should be offered free access to IEEE Xplore after their graduation. Sponsored summer schools or camps will provide students and early career CASS members to explore state-of-the-art research.
   b) Encourage industry members to become involved in the organization of conferences, including awards to members who invent/develop new technologies that enhance industry productivity, or generate new/novel products.
   c) Provide funds to support regional activities, such as on-line courses to specific regions, such as Latin America countries and African countries, will reach a broader community.

ERIKA COVI (GSM'12-M'18-SM'19) is an Assistant Professor at the University of Groningen (the Netherlands). She received her PhD in Microelectronics in 2014 from the University of Pavia (Italy), where she worked on designing integrated systems for the characterisation of memristive devices.

Her research interests lie at the intersection of circuit design, emerging devices, and brain-inspired computing. More specifically, they focus on exploiting the intrinsic physical characteristics of memristive devices to reproduce computational primitives of the brain in mixed CMOS-memristive neuromorphic systems. She is the recipient of one of the prestigious Starting Grants of the European Research Council and she has been involved in several European projects, two of which as principal investigator. She has authored/co-authored over 45 peer-reviewed publications in top-tier journals or international conference proceedings.

She has been actively involved in the organisation of several IEEE CAS conferences as a Technical Program Co-chair (ICECS 2022 and NEWCAS 2023) or as part of the organising committee (ICECS 2020 and 2024, ISCAS 2025 and 2027). In her previous mandate, she served in the publication division and in the financial division. She is also involved in the digital communication standing committee.

She is an active reviewer for more than 20 journals (including IEEE journals) and IEEE conferences. She is a member of the Cellular Nanoscale Networks and Memristor Array Computing (CNN-MAC) and the Neural Systems and Applications (NSA) Technical Committees.

Statement: As a dedicated member of the IEEE CAS Society, I am passionate about fostering innovation, inclusivity, and collaboration. During my previous term, I actively supported the creation of the Diversity, Equity, and Inclusion (DEI) committee and contributed to shaping our communication strategies as part of the digital communication standing committee. Leveraging my previous experience, I will promote dedicated DEI events at conferences, such as workshops and panels, to promote inclusivity and diverse perspectives. I will enhance our communication outreach by developing diversified strategies, including social media campaigns and virtual town halls, to engage a broader audience. Additionally, I aim to strengthen the link between academia and industry by organizing networking sessions and mentorship programs at conferences where young professionals can connect with industry leaders. This will provide industrial members with access to a diverse talent pool and offer students and researchers valuable career opportunities. Together, we can drive innovation, inclusivity, and collaboration within our society.

Questions:
1) What are in your opinion the three most important services that CASS should provide to its membership?
1. Professional Development - Offer comprehensive training, educational resources, workshops, and certification programs to enhance members' skills and knowledge in circuits and systems.
2. Networking Opportunities - Facilitate connections between academia and industry through conferences, mentorship programs, and special interest groups, fostering collaboration and career advancement.
3. Inclusive Community Engagement - Promote diversity, equity, and inclusion by organizing dedicated DEI events and creating platforms for underrepresented groups to share their insights and contributions.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.
One significant long-term initiative that CASS should undertake is the development of a Comprehensive Career Development Program. This program will offer tailored resources for different career stages, including mentorship for students and young professionals, leadership training for mid-career members, and advanced skill workshops for senior professionals. It will also feature initiatives for underprivileged students, providing training programmes and access to educational resources. I will leverage my previous experience as an active member of the IEEE CAS community to implement this initiative, ensuring it supports continuous professional growth, fosters strong academia-industry links, and enhances the overall value of CASS membership.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)
1. Industry-Academia Panels at Conferences: Organize dedicated panels and roundtable discussions at CASS conferences where industry leaders and academic researchers can share insights and identify collaboration opportunities.
2. Joint Publications and Special Issues: Encourage joint publications by creating special issues in CASS journals that focus on collaborative research between academia and industry.
3. Academic-Industry Liaison Committee: Establish a committee dedicated to fostering partnerships, facilitating internships, and promoting industry-funded academic projects.

VICTOR GRIMBLATT (M'10-SM'13) has an engineering diploma in microelectronics from Institut Nationale Polytechnique de Grenoble (INPG – France) and an electronic engineering diploma from Universidad Tecnica Federico Santa Maria (Chile). He got his PhD on Electronics in 2021 from University of Bordeaux. He is currently R&D Executive Director and General Manager of Synopsys Chile.

He has published several papers in IoT, EDA, Smart Agriculture, and embedded systems development. From 2012 to 2024 he was chair of the IEEE Chilean chapter of the CASS. He has been part of several conferences TCP (ISCAS, ICECS, LASCAS, VLSI SoC) and Steering Committees. He was member of the IEEE CASS Board of Governors for the period 2021 – 2023. He founded the Electronics for Agrifood SIG at CASS and chairs it until 2024. He was Chair of LASCAS Steering Committee from 2018 to 2022. He is CASS representative at the IEEE Climate Change TAB.

He was President of the Chilean Electronic and Electrical Industry Association (AIE) from 2017 to 2021. From 2006 to 2008 he was member of the "Chilean Offshoring Committee" organized by the Minister of Economy of Chile.

In 2010 he was awarded as "Innovator of the Year in Services Export". In 2022 he was awarded as "IEEE/AIE Best Engineer" in Chile. In 2023 he was awarded as IEEE R9 Outstanding Engineer". He is also recipient of the 2024 CASS Meritorious Service Award.

Victor's research areas are EDA (Electronic Design Automation), Climate Change, and Smart Agriculture.

Statement: The world is facing big challenges that are affecting the continuity of the humankind on the surface of the earth. Climate change is impacting our health, our lives, our food security among other problems it is creating. There are several ways to face the impact of climate change and circuits and systems will play an important role to help on the mitigation of climate change consequences.

However, to be able to develop the circuits and systems that will help the humanity, we need talent to do it. We need more young people to adhere to STEM careers. We need more women to choose STEM careers. According to several statistics the lack of talent in semiconductors and technology will be around 1 million by 2030. We have an important role to play to attract and form the talent that will continue developing the technology the humanity needs.

CASS is the right society to lead the future challenges, from the technical side as well as the lack of talent point of view. CASS can make the difference and I would like to be part of this work. I count on your vote to be elected to the CASS Board of Governors.

Questions:

1) What are in your opinion the three most important services that CASS should provide to its membership?
1. CASS should lead the application of technology on the main humankind problems such as climate change and food security.
2. CASS should be a networking space where engineers from industry and academia, and students can share ideas, projects, knowledge, and challenges. We need to work together to face current challenges.
3. CASS should work on the attraction to STEM of young people, so we fill the lack of talent we are facing, and continue developing our industry and academia.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.

Application of technology to mitigate the impact of climate change and food security in the world. Organizing summer schools, contests, workshops, and conferences among other activities will help to raise the awareness of the problem and how technology can help.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)

I think that fresh graduates don't see a value added being a member of CASS, so I propose the following:
1. Improve the participation of the industry so the fresh engineer can use CASS to know what the industry is doing and how they can be part of that. We also need more industry participation at main CASS events.
2. Work with the industry leaders to increase their participation on CASS events and TC/SIGs
3. Do more events oriented to young engineers and their role into the industry. We need to understand young engineers, their interest and how they behave.

YAJUN HA (S'99-M'00-SM'09) received the B.S. degree from Zhejiang University, Hangzhou, China, in 1996, the M.Eng. degree from the National University of Singapore, Singapore, in 1999, and the Ph.D. degree from Katholieke Universiteit Leuven, Leuven, Belgium, in 2004, all in electrical engineering. He is currently a Professor at ShanghaiTech University, China. Before this, he was a Scientist and Director, I2R-BYD Joint Lab at Institute for Infocomm Research, Singapore, and an Adjunct Associate Professor at the Department of Electrical & Computer Engineering, National University of Singapore. Prior to this, he was an Assistant Professor with National University of Singapore. His research interests include reconfigurable computing, ultra-low power digital circuits and systems, embedded system architecture and design tools for applications in robots, smart vehicles and intelligent systems. He has published around 150 internationally peer-reviewed journal/conference papers on these topics. He is the recipient of two IEEE/ACM Best Paper Awards.

He has served a number of positions in the professional communities. He serves as the Editor-in-Chief for the IEEE Trans. on Circuits and Systems II: Express Briefs (2022-2023), the Associate Editor-in-Chief for the IEEE Trans. on Circuits and Systems II: Express Briefs (2020–2021), the Associate Editor for the IEEE Trans. on Circuits and Systems I: Regular Papers (2016–2019), the Associate Editor for the IEEE Trans. on Circuits and Systems II: Express Briefs (2011–2013), the Associate Editor for the IEEE Trans. on Very Large Scale Integration (VLSI) Systems (2013–2014). He has served as the TPC Co-Chair of ISICAS 2020 and 2022, the General Co-Chair of ASP-DAC 2014; Program Co-Chair for FPT 2010 and FPT 2013; Chair of the Singapore Chapter of the IEEE Circuits and Systems (CAS) Society (2011 and 2012); Member of ASP-DAC Steering Committee; and Member of IEEE CAS VLSI and Applications Technical Committee.

Statement: I am very excited to be nominated for the position of CASS Board of Governors (BoG). The responsibilities of a BoG member play a quite important role in the CASS strategy planning and daily operations. As a result, to be a BoG member of such a society is not only of honor, but also of great responsibility.

To make sure CASS provides the valuable services to the community, I believe we should focus on the following three aspects, namely, a platform to exchange novel ideas, a community to grow together, and awards to recognize achievements. In addition, we should launch a large long term initiative to facilitate the development of emerging technologies by updating the EDICS and so on. Furthermore, we should pay particular care to serve the less presented members of the CASS community, namely the industry, young CAS members and members in the Middle East and Africa locations.

With the leadership of the CASS management, the various technical committees of CASS, and especially all the CASS member, I am confident that I can be a valuable member of BoG and help CASS to reach a new height.

Questions:

1) What are in your opinion the three most important services that CASS should provide to its membership?
I believe CASS should provide the following services:
1. Service to promote the exchange of innovation ideas, to enable fast spreading of novel methods, research roadmap, scientific challenges, through conferences, journals, seminars, and various initiatives organized by CASS.
2. Service to build the community of researchers, to enable effective and efficient networking of fellow researcher through technical committees, social activities, conferences, seminars, and various initiatives organized by CASS.
3. Service to recognize the contributions, to set models for the community and reward researchers with the joy of achievements, through various technical and organization awards set and selected by CASS.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.

I believe CASS should coordinate its various technical committees to update the EDICS of CASS journals especially on the emerging technologies. One of the major difficulties for emerging technology related manuscripts is that both authors and editors sometimes are not quite sure if the topic is within the scope of the journal or not. A comprehensive exercise should be executed in all CASS TCs to update EDICs. This will pass a

clear message to potential authors working on emerging/interdisciplinary works and help push the emerging technologies forward. I would help to establish if I am elected.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)

1. Serve the industry part of CASS community with a specific new magazine that is focusing on industry trends, products and people, new industry oriented technical committees and a new industry award;
2. Serve the young CAS members with a new buddy and mentor program that engage several peers and seniors as a group to mentor a young CAS member together;
3. Serve the Middle East and Africa parts of Region 8 with more resources and focuses in the coming years and bring up the CASS community in these locations by supporting more scholarships, outreach support, conference sponsorship, and etc.

HERBERT HO-CHING IU (S'98-M'00-SM'06) received the BEng (Hons) degree in electrical and electronic engineering from The University of Hong Kong in 1997 and the PhD degree from The Hong Kong Polytechnic University in 2001. He is currently Professor of Electrical Engineering with The University of Western Australia. His research interests include power electronics, nonlinear systems, smart grid and memristive systems. He has an h-index of 59 and over 13000 citations on Google Scholar, which records all archival and web-based documents.

Prof. Iu was the recipient of a number of research awards, including 2023 IEEE Transactions on Circuits and Systems Guillemin-Cauer Best Paper Award, 2021 IEEE Journal of Emerging and Selected Topics in Power Electronics Prize Paper Award, 2020 CSEE Journal of Power & Energy Systems Best Paper Award, 2019 IEEE Transactions on Very Large Scale Integration Systems Prize Paper Award, the 2023 Best Paper Award of IEEE International Conference on Memristive Computing and Applications, the 2020 Best Live Demonstration Award of IEEE International Conference on Electronics Circuits and Systems, the Best Paper Award of 2019 IEEE International Conference on Artificial Intelligence Circuits and Systems, and the 2015 IEEE PES Western Australia Chapter Outstanding Engineer Award. He was appointed as an IEEE CAS Distinguished Lecturer 2023-2024. Moreover, he won the 2019 UWA Award for Excellence in Teaching, the 2014 UWA Vice-Chancellor's Mid-Career Research Award, and 2023 UWA Vice-Chancellor's Award for Research Mentorship. He was a Fellow of Engineers Australia since 2013.

Within CASS, he served in many capacities. He was the Editor-in-Chief for the IEEE Journal on Emerging and Selected Topics in Circuits and Systems from 2022 to 2023, Associate Editor for IEEE Transactions on Circuits and Systems II from 2016-2023, IEEE Circuits and Systems Magazine from 2016-2019, IEEE Transactions on Network Science and Engineering from 2017-2022. Other recent capacities include: Member of IEEE CASS Outstanding Young Award Selection Subcommittee 2022-2023; member of IEEE JETCAS Best Paper Award Selection Subcommittee 2022-2023; member of Evaluation Panel of CASS-R10 Student Design Competition Committee 2019, 2022, chair of NCAS TC 2017-2018; member of committees in many past ISCAS/ AICAS/ APCCAS.

Statement: IEEE CASS plays a crucial role to provide valuable services and specialized training to help individuals to gain the knowledge necessary to advance their careers. As a member of CASS for over 20 years, CASS has greatly impacted and improved my own professional career. I have been fortunate to get excellent mentorship, guidance from many mentors from CASS. During the past 20 years, I have served as Chair of CASS NCAS TC, JETCAS EiC and CASS DL, where I have witnessed the efforts and contributions from the committees to work towards our society's mission and vision. Our IEEE Mission is to "foster technological innovation and excellence in fundamentals, emerging directions and application of circuits and systems for the benefits of humanity through an interdisciplinary community". Our IEEE vision is to "advance and promote Circuits and Systems knowledge framed in interdisciplinary to be essential to the global and diverse technical community and be universally recognized for providing and leading solutions to the United Nations' Sustainable Development Goals". As I strongly believe in our mission and vision, I hope to continue my effort through engaging and rewarding all members, in particular, young professional members, industrial members and women in CAS.

Questions:

1) What are in your opinion the three most important services that CASS should provide to its membership?

1. Establish mentorship programs, scholarships, and initiatives that empower young professionals and students, and encourage their active participation within CASS.
2. Enhance collaboration among researchers, practitioners, and industry leaders, it is essential that we foster meaningful connections within and beyond CASS, and encourage partnerships with other IEEE societies to explore interdisciplinary possibilities.
3. Foster technical excellence for knowledge sharing and education. It is of crucial importance to nurture a community that values technical excellence by knowledge sharing and skill enhancement.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.

If elected, I would like to increase membership by building strong bridges between academia and industry. Every student in circuits and systems should be an active member of CASS. Companies would seek talents in CASS. Membership is the key to belonging to a network where conferences are back to in person participation, where the contribution is a showcase of the legitimacy of CASS. Thus, I propose to involve more students as seeds for the future of our community with a renewal of responsibilities with young colleagues to secure the strength and continuity of CASS.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)

1. We need to have more significant participation by industry members to bridge the gap between industry requirements and academia courses. Industry domain experts to help establish emerging courses and deliver lectures on emerging topics.
2. Reach out to untapped remote regions/communities, women and diverse categories to train them on basic technical know-how, therefore improving their living style and education standards and seeding interest towards technical fields.
3. Organize events/forums for YP members to create ample opportunities to exchange the expertise and opinion among the same generation

DONALD Y. C. LIE (S'88-M'95-SM'01-F'17) I received B.S.E.E. degree from National Taiwan University in 1987, and M.S. and Ph.D. degrees in electrical engineering (minor in applied physics) from Caltech, Pasadena, in 1990 and 1995, respectively. I held technical and managerial positions at companies such as Rockwell International, Silicon-Wave (now Qualcomm), IBM, Microtune Inc., SYS Technologies, and Dynamic Research Corporation (DRC). I am currently the Keh-Shew Lu Regents Chair Professor in the Department of Electrical and Computer Engineering, Texas Tech University, Lubbock, Texas, and also an Adjunct Professor in the Department of Surgery, Texas Tech University Health Sciences Center (TTUHSC). I was a Visiting Lecturer to the ECE Department, University of California, San Diego (UCSD) during 2002-2007. I am serving on the Executive/Steering/Advisory Committees of the IEEE RFIC Symp., SiRF, MWSCAS, Texas Wireless Symp., and VLSI-TSA. I have served as an organizing committee member (OCM) of IEEE ISCAS'22, TC members for Neural Systems and Applications (NSA), BIOSCAS and a TPC member for ISCAS, BIOCAS, MWSCAS, RWS, RFIC, PAWR, SiRF, etc. I was the General Chair of IEEE RFIC, VLSI-DAT. BCTM, SiRF. I received TTU Barney E. Rushing, Jr., Faculty Distinguished Research Award, 2023; US NAVY SPAWAR SSC San Diego "Center Team Achievement Award", 2007; three DRC Silver Awards of Excellence, two IBM "FIRST" chairman patent awards and three Rockwell International's "FIRST" engineering awards. I and my students have won 24 Best Graduate Student Paper Awards and Best Paper Awards and the sole 1st-Place of TTU Most Outstanding Master Thesis Awards twice. I served as Editors for various IEEE journals and co-founded NoiseFigure Research Inc. with Dr. Lopez since 2009. I have authored/coauthored 270 peer-reviewed papers/chapters and holds 9 patents. My group has published three most downloaded TOP 100 papers on IEEE Xplore™ in three separate months. I am a Chair Professor, College of Electrical Engineering, National Yangming Chiao-Tung University, Taiwan, since 2018. My research interests are: (1) Energy-efficient 5G/6G and THz RF ICs and system design and testing; (2) AI for robust analog/RF IC and system design (synthesis/verification/packaging/testing); and (3) interdisciplinary research on medical electronics, AI in biosensors and oncology.

Statement: I would be honored to serve on the CASS Board of Governors because I love to contribute to the CAS community and make CASS even better. Since my first involvement with the CASS conferences about 30 years ago, I have found many wonderful people in the CAS community very welcoming to students and newcomers. The friendship I have developed with various CASS members has grown deeper as I continued to participate in CAS-sponsored conferences and journals and serve IEEE further, and I have joined several technical committees (TCs) and Steering/Executive committees for CASS-sponsored conferences. I have thus developed a very good sense on the strength of CASS, and learned to work effectively with my peers to serve and grow the CAS community. I believe that IEEE CASS is now sitting in a very unique position to make even much greater impacts to both IEEE and the entire world in the middle of this historical Artificial Intelligence (AI) Revolution, as one of the most important and exciting strengths of CASS is in its breath, covering topics from novel devices, modeling, circuits, systems, algorithms and applications. I am deeply committed to grow our CAS community globally with diversity, excellence, compassion and integrity.

Questions:

1) What are in your opinion the three most important services that CASS should provide to its membership?
1. CASS conferences provide the important service for members to present and exchange latest research and trends through personal communications and publications. These are excellent channels for peer-networking, fellowship-building, education and mentorship.
2. CAS can increase its values and impacts by providing more educational opportunities and infrastructure for continuing education. Providing practical webinars, on-line classes, conference workshops/technical lectures and their recordings should all be considered.
3. CAS can provide more intimate interaction opportunities between the industry and academics. Hosting events such as Industry Showcase, Students-Industry sessions, CASS Hottest-Startups, etc., during conferences or webinars or as special events would be attractive.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.

I would like to help undertaking a long-term CASS initiative on "From Chips to Creative AI". Since CASS encompasses an incredible wealth of expertise on circuits and systems research, we as a society are uniquely positioned to take advantage of this wealth of knowledge to make greatest impacts on the upcoming creative-AI revolution. For example, AI-hardware benefits from high-speed chip design using CIM (Computing in Memory), heterogeneous integration/packaging and silicon photonics, which need to be optimized on the architectural and algorithmic sides to make creative-AI systems most powerful. CASS can facilitate this hardware-software co-design research process for optimizing creative-AI systems.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)

Welcoming young CASS members by fostering and involving them to ensure an innovating, vibrant and growing community.
1. Offering free or deep discounted membership and/or conference registration fees for 1st-time CAS student members/participants with CASS benefits.
2. Providing opportunities for meaningful professional development and/or mentor-mentee relationships. For example, providing more practical e-webinars, on-line classes and their recordings to help young members learning new and emerging fields and research experts.
3. Actively inviting young CAS members to participate in CASS-related conferences/events, such as special sessions on YP (young professional), Student Travel Grants, Student Design Competitions, Industry Showcase Forum, etc..
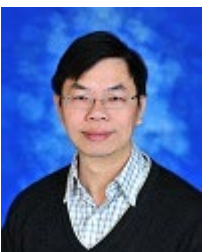
CHIA-WEN LIN (S'95-M'00-SM'04-F'18) received his PhD degree in Electrical Engineering from National Tsing Hua University (NTHU), Hsinchu, Taiwan in 2000. He is currently a Professor with the Department of Electrical Engineering, NTHU, Taiwan. He also serves as Deputy Director of the AI Research Center of NTHU, and Director of Multimedia Technology Research Center of the EECS College, NTHU. His research interests include image/video processing, computer vision, and video networking.

Dr. Lin is an IEEE Fellow (class of 2018). He has been an IEEE CASS Fellow Evaluation Committee member from 2021 to 2023. He has served as IEEE CASS BoG members-at-Large (term: 2022-2024), and was a Distinguished Lecturer of IEEE CASS during 2018-2019. He has served as Associate Editor of IEEE Transactions on Circuits and Systems for Video Technology (TCSVT, 2009-2013), IEEE Transactions on Image Processing (TIP, 2017-2020), IEEE Transactions on Multimedia (TMM, 2011-2014 and 2021-2023), IEEE Multimedia (2012-2015), and Journal of Visual Communication and Image Representation.

He served as a Steering Committee member of the IEEE TMM during 2013-2015. He was Chair of the Multimedia Systems and Applications Technical Committee of the IEEE CASS during 2013-2015. He was Chair of IEEE ICME Steering Committee (term: 2020-2021), and President of Chinese Image Processing and Pattern Recognition Association, Taiwan (term: 2019-2020). He has served as General Co-Chair of IEEE VCIP 2018 (sponsored by CASS), Technical Program Co-Chair of IEEE ICIP 2019 and IEEE ICME 2010, Panel Co-Chair of IEEE AICAS 2019, and Track Chair of ISCAS 2013-2016. His papers won the Best Paper Award of IEEE VCIP 2015, the Best Student Paper Award of IEEE IVMSP 2016, the Young Investigator Award of VCIP 2005, top 10% Paper Award of IEEE ICIP 2004 and IEEE MMSP 2013. He has also served on the Best Paper Award Committees of IEEE TCSVT 2023, IEEE TMM 2021 (Committee Co-Chair), IEEE ICIP 2017, ICME 2006, VCIP 2012, and APSIPA ASC 2013 (Committee Chair).

Statement: Through my involvement in CASS activities, I have observed a few areas that could be further improved. I would be grateful to continue to serve CASS as a BoG member to examine and tackle the following issues.

(1) High-quality journals and conferences are the core of CASS. We should push an enhanced excellence and impact of CASS publications by reducing the backlog of journal publications and encouraging timely and high-quality reviews and decisions. Besides, CASS should develop facility and guidelines to support a new hybrid format of conferences to allow for both online and in-person attendance to tackle the issues of health, safety, and travel expense for diverse attendees, while maintaining good interactivities among attendees.

(2) CASS is unique in its diversity and multidisciplinary nature, including circuit theory, circuit design, algorithms, design implementations, etc. To maintain technical leadership and excellence, we should promote multidisciplinary research, education, and outreach activities inside CASS and across societies.

(3) To further increase the value of CASS membership, we should
   - Offer a carefully designed mentorship program and career support to young professionals and student members
   - Encourage participation from industry by organizing industry-oriented sessions and industry-sponsored challenges in CASS conferences

Questions:
1) What are in your opinion the three most important services that CASS should provide to its membership?
   1. Promote collaborations among technical committees and among journals inside and across societies and proactively organize special sessions to promote multidisciplinary research, education, and outreach activities.
   2. Improve the quality and timeliness of CASS publications, focusing on reducing the backlog of CASS journals, implementing new initiatives to encourage high-quality and timely reviews and decisions and the diversity of submissions.
   3. Establish an easily-accessible online CASS resource-hub collecting the table of contents of CASS journals, links to CASS conferences/workshops, keynote speech videos, webinars, distinguished lectures, TC, and regional activities, etc. This can be an extension of current CASS E-Newsletter.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.
   In this new AI era, multidisciplinary collaborations between the academia and the industry become particularly important in advancing the development and deployment of AI-powered circuits and systems in our daily life. To boost such collaborations, new initiatives in the CASS community should be conducted. For example, we may encourage participations of the industry in CASS activities by organizing industry-oriented events and industry-sponsored challenges and recognizing industrial achievements in CASS conferences and journals. We should also provide better networking connectivity to bridge the CASS academia and industry members through the use of appropriate social media platforms and collaborative events.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)
   1. We can steer current conferences to attract more industry participation by arranging industry-oriented sessions in CASS conferences, e.g., industry workshops, forums, invited talks, and industry-sponsored challenges.
   2. We can promote the participation of young members in CAS activities through low registration fee and online attendance options to reduce their cost. We can also recruit established leaders to offer mentorship and career support to young members.
   3. We can offer recruiting information on CASS website and social media and invite the Industry to host job fairs at CASS conferences to benefit both young members and the industry.

KESHAB K. PARHI (S'85-M'88-SM'91-F'96) received the Ph.D. Degree in Electrical Engineering and Computer Sciences from the University of California at Berkeley, Berkeley, CA, USA, in 1988. He has been with the University of Minnesota, Minneapolis, MN, USA, since 1988, where he is currently the Erwin A. Kelen Chair in the Department of Electrical and Computer Engineering. He has authored over 725 journal and conference papers that include 16 best paper or best student paper awards, and is the inventor of 36 issued US patents. He has authored the textbook VLSI Digital Signal Processing Systems (New York, NY, USA: Wiley, 1999). His current research interests include the VLSI architecture design and implementation of signal processing and artificial intelligence, hardware security, and data-driven cognitive and computational neuroscience.

Dr. Parhi served as a Board of Governors Elected Member of the IEEE Circuits and Systems Society from 2005 to 2007. He served as the Editor-in-Chief of the IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS-I: REGULAR PAPERS from 2004 to 2005, and currently serves as the Editor-in-Chief of the IEEE CIRCUITS AND SYSTEMS MAGAZINE. He has served as Associate Editor or Guest Associate Editor 14 times. He will be the General Cochair of the IEEE Symposium on Circuits and Systems in May 2028 to be held in Minneapolis, USA. He has served as Track Chair of the International Symposium on Circuits and Systems (ISCAS) in 1993, 1995, 2002, 2003, and of Midwest Symposium on Circuits and Systems in 2004. He served on the IEEE Fellow Committee in 1998 and 1999, and the IEEE CASS Fellow Evaluation Committee in 20003, 2008, 2015, and 2017. He has served on numerous award committees in the CAS Society. He was a Distinguished Lecturer of the IEEE Circuits and

Systems Society from 1996 to 1997 and from 2019 to 2021. He served as the Chair of the VLSI Systems and Applications TC during 2002-2004. He is a Fellow of IEEE, ACM, AIMBE, AAAS, and NAI.

Statement: I have significant experience in publications (Editor-in-Chief twice in CAS Society and 14 Associate Editor duties), organizing conferences (TPC Chair, Track Chair of ISCAS and MWSCAS numerous times), leading a technical committee (Chair, CAS VLSI Systems and Technical Committee, 2002-2004), and connecting to CAS members around the world through distinguished lectures, tutorials, and keynote talks. I hope to expand student engagement by increasing access to educational resources, mentoring, networking with peers and mentors at conferences and virtually, training in innovations and patents, and connecting students with industry representatives at conferences. In addition, I hope to expand student participation at society conferences via student research and demo contests, and student travel awards. I hope to expand industry engagement by increasing industry participation in panels, keynote/plenary sessions as speakers, and industry sessions at society conferences. I hope to connect industry representatives with students at society events. With exponential growth in emerging disruptive technologies such as AI/ML and quantum, I hope to increase the opportunities for CAS researchers to present their work and interact with other researchers by organizing co-located special workshops and special sessions, and including keynote talks/panels on these topics. I hope to increase leadership opportunities for women and underrepresented researchers.

Questions:

1) What are in your opinion the three most important services that CASS should provide to its membership?
The three most important services that CASS should provide to its memberships are:
1. Facilitate dissemination of knowledge in emerging technologies by organizing special issues in CAS journals, special sessions at conferences, and by co-located workshops.
2. Increase the pipeline of CAS membership by increasing student participation. Reduce student membership to $1/year. Create opportunities for student mentoring by connecting mentors and mentees. Increase opportunity for students to interact with industry members at conferences.
3. Increase the number of educational resources and their accessibility to members. Video lectures of keynote/plenary talks at major CAS conferences, distinguished lectures, tutorials at conferences should be made available to members in a YouTube channel.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.
My goal is to increase the pipeline of CAS researchers by increasing the number of student members. CAS Chapters need to be more active in inspiring students in their regions by local competitions, and inviting distinguished lecturers and distinguished industry lecturers. Distinguished lecturers can meet students in a group and inspire them to stay involved with CAS society. We should reduce CAS student membership to $1/year (like Signal Processing Society). We should make it easy for students to access CAS educational resources through the society website and society video channel.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)
1. Increase industry participation in society's conferences by inviting industry speakers including prominent women researchers in industry as keynote speakers, panelists, and by organizing industry sessions at CAS conferences. Facilitate interaction between industry representatives and students with respect to technical exchange and employment opportunities.
2. Facilitate exchange between industry representatives and CAS researchers at major society meetings for advancing research of mutual interest. Organize special sessions to bring industry speakers and academic/government speakers together.
3. Increase the number of industry researchers in editorial boards, fellow evaluation committees, awards subcommittees, etc.

LOBNA SAID (GSM'14-M'15-SM'20) is an Associate Professor and the director of the Microelectronics System Design Master Program at Nile university. She has over 200 publications distributed between high-impact journals, conferences, and book chapters. She has an H- index of 31, as reported by Scopus. Her interdisciplinary research interests include modeling, control, optimization techniques, fractional-order circuits and systems, non-linear analysis, and chaos theory.

She is the Vice-Chair of the technical Chapters of the IEEE Egypt Section and the Chair of the IEEE Computational Intelligence Egypt Chapter. She is the Counselor of the IEEE NU student branch 2018-present. She has been the Co-chair of WIE in the IEEE CAS Egypt Technical Chapter since 2021.

She won the state encouragement award for the year 2019 in engineering science. She received the Excellence Award from the Center for the Development of Higher Education and Research in 2019 for the best PhD thesis in 2016. She won the Dr Hazem Ezzat Prize for Outstanding Researcher NU 2019 and 2020. Her name was in the Top 2% of Scientists, According to the Stanford Report for 2019, 2020, and 2021. She received the Recognized Reviewer Award from many international journals. She was awarded the IEEE Outstanding Branch Counselor & Branch Chapter Advisor Award in 2021. In 2022, she received the Junior Faculty Development Program from Fulbright. In 2023, She received the Africa Science Leadership Programme fellowship from The University of Pretoria.

In 2019, she was selected as a member of the Egyptian Young Academy of Sciences (EYAS). In 2020, she was elected as the Co-Chair of EYAS, selected to be an African Academy of Science affiliate member and a Member of the Arab-German Young Academy of Sciences and Humanities (AGYA). In 2021, she was selected to be a Member of the Council for Future Studies and Risk Management.

She served on the technical and organizing committees of many international conferences, and was selected as a TWAS Young Affiliate. She joined the editorial board of Four journals belonging to these publishers: Elsevier, MDPI, and Frontiers. In 2023, she was elected as the co-president of AGYA.

Statement: Dr. Said passion lies in creating a dynamic learning environment that empowers members.

She proposes continuous collaboration with industry leaders and academic pioneers, ensuring members remain current on the latest advancements.

Interactive workshops featuring renowned experts to facilitate knowledge exchange, collaboration, and innovation.

By promoting interdisciplinary approaches, we can encourage members to explore connections between circuits, systems, and other engineering domains, leading to a better understanding of the field.

Connecting CAS members with aspiring researchers and students, providing invaluable guidance and community engagement.

Grant-writing workshops will equip young researchers with the skills and resources to secure funding for their projects.

Interactive outreach programs trigger a passion for CAS in the next generation, attracting public interest in the field.

Open communication with members to ensure their needs/requirements are taken care of. She will initiate diversity and inclusion initiatives to attract underrepresented groups to the field.

Her experience and passion for circuits and systems and education qualify her for the position. She will use her talents and expertise to help the IEEE CAS grow and expand its activities.

Questions:
1) What are in your opinion the three most important services that CASS should provide to its membership?
1. Facilitating Knowledge Exchange and Collaboration (including Consulting): Targeted Workshops and Events: exchange between academia and industry.
- Expert Matching Service: establish a platform that connects members seeking consulting expertise with qualified CAS members who offer consulting services.

2. Empowering the Next Generation of Researchers:
- Mentorship Programs: connect experienced researchers, including established consultants, with young researchers seeking guidance.
- Grant Assistance: Workshops and resources on grant writing can be particularly helpful for young researchers.

3. Promoting Diversity and Inclusion.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.

Building Bridges: Empowering Underrepresented Groups in CAS

Over the next two years, she proposes the "CASS Bridges" initiative to empower underrepresented groups within CAS.

Diversity & Inclusion Workshops: Facilitate workshops on unconscious bias and strategies for a more inclusive environment.

Mentorship Programs for Underrepresented Researchers: Connect underrepresented researchers with mentors to promote career development and overcome barriers.

Travel Grants call for Underrepresented Researchers: seeking the establishment of travel grants to attend conferences and child care support for parents to participate.

"CASS Bridges" empower researchers from diverse backgrounds, promoting a more inclusive and dynamic community where everyone reaches their full potential.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)
The plan could have three levels
1) Industry Engagement: Develop workshops in a hybrid mode tailored to industry needs, focusing on practical applications of CAS research to ensure research addresses industry challenges.
2) Mentorship Programs: Connect experienced CAS members with young researchers which will strengthen the future of the CAS community.
3) Global Chapters: Establish communication between chapters from different countries/Regions and host online webinars to engage geographically dispersed members. This ensures inclusivity and caters to diverse time zones, maximizing engagement across the global CAS community.

MAURIZIO VALLE (M'01-SM'16) I received my M.S. degree in Electronic Engineering in 1985 and Ph.D. in Electronics and Computer Science in 1990. I am a full professor of Electronics at the Department of Electronic and Telecommunication Engineering (DITEN) at the University of Genova, where I lead the COSMIC laboratory (Connected Objects, Smart Materials, Integrated Circuits). I am the coordinator of the Ph.D. program in Science and Technology of Electronic and Telecommunication Engineering. My current teaching responsibilities include courses in Electronics and Digital Systems. I have supervised over 40 Ph.D. students and more than 120 Master's students in Electronic Engineering.

I have led numerous research projects funded by local, national, and European bodies, and by national and foreign companies. I have co-authored more than 250 papers in peer-review international scientific journals and conference proceedings. My research interests encompass biomedical circuits and systems, electronic/artificial sensitive skin, tactile sensing systems for prosthetics and robotics, neuromorphic touch sensors.

I have been a Senior member of IEEE CAS since 2022 and participate in the Biomedical and Life Science Circuits and Systems and Sensory Systems Technical Committees. I am chair of the Tactile Sensors Technical Committee of the IEEE Sensors Council, Italy Chapter.

I have chaired several conferences, including the 26th IEEE International Conference on Electronics, Circuits, and Systems (2019), the IEEE CAS New Generation of Circuits and Systems (NGCAS) (2017), and the 6th International Conference on System-Integrated Intelligence (2022). I was the Technical Program co-chair of the 2nd IEEE International Conference on Artificial Intelligence Circuits and Systems (AICAS) (2020) and Track

Chair for Physical Sensors at the IEEE Sensors Conferences (2017, 2018). I serve on the International Program Committee of the IEEE MetroInd Conference and have co-chaired Special Sessions at IEEE ICECS (2020, 2021, 2022, 2024).

I am a member of the Steering Committee of the IEEE Journal on Flexible Electronics and the IEEE International Conference on Electronics, Circuits, and Systems. Additionally, I have been a guest editor for special issues of IEEE Transactions on Biomedical Circuits and Systems, and the IEEE Journal on Emerging and Selected Topics in Circuits and Systems.

Statement: I am a dedicated member of the IEEE CASS for over two decades and I have over 40 years of experience in research and teaching. To ensuring that the IEEE CAS Society continues to thrive and lead in innovation and excellence, I am committed in promoting the following goals:

Promote diversity and encourage active member participation through dedicated online platforms, social media engagement and in person and online events.

Enhance Professional Development in particular for young and student members by providing access to cutting-edge tools and skills. Facilitate collaboration between student members, academics, researchers, and professionals through on-line collaborative platforms, dedicated programs and events.

Foster Collaboration and Inclusivity to strengthening our community; targeting a culture of collaboration and inclusivity with an ever increasing support through travel grants and mentorship programs.

Support Underrepresented Groups: Promote initiatives that support underrepresented groups, ensuring that all members have equal opportunities.

Expand Outreach Efforts by engaging with other IEEE societies and establishing partnerships with industry leaders to elevate our society's profile and influence.

Support cutting edge innovation and research through special interest groups and collaborative platforms.

Support innovative research and promote cross-fertilization between diverse domains and multi-disciplinarity.

Questions:
1) What are in your opinion the three most important services that CASS should provide to its membership?
- Provide opportunities to showcase research achievements through various channels, including digital platforms, to ensure global visibility.
- Offer leadership roles and adequate support at different levels—chapters, sections, regions, conferences, and journals— by also promoting diversity and inclusivity.
- Facilitate connections between members and groups to address global challenges like climate change, emphasizing collaboration and diverse perspectives. The IEEE CAS Society has recently initiated efforts in these areas. Expand these initiatives by hosting more events and workshops, serving as platforms for knowledge exchange, innovation, and collaboration, furthering our mission to lead in technological advancements and societal impact.

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.
The initiatives like the US and Europe Chips Act address significant technological goals that impact society and the environment. These breakthroughs should also promote inclusiveness and environmental compatibility. CASS should support these efforts by organizing a dedicated event that involves academia, research, industry, public institutions, and professionals with the goal of fostering collaboration among diverse stakeholders and paving the way for innovative approaches to tackle these challenges. In such a framework, the event should also promote dedicated mentorship programs, travel and study period grants, collaborative online platforms, webinars, and both online and in-person events.

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)
- CASS can effectively reach and serve young CAS members by leveraging digital platforms, as Gen Z is highly engaged with social media. By utilizing these platforms, CASS members can share relevant content, updates, and work on collaborative research projects in an engaging format.
- Additionally, organizing online webinars can provide accessible learning and networking opportunities, regardless of geographic location.
- Lastly, hosting industry-focused events, including certification programs, can bridge the gap between academia and industry, equipping young members with the skills and credentials needed for career advancement.

YI (ESTELLE) WANG (M'13-SM'15) received the B.S and M.S degree from Northwestern Polytechnical University, Xi'an China in 2000 and 2003, and the Ph.D. degree from Nanyang Technological University, Singapore 2008. She is Head of Product Cybersecurity & Privacy Office Singapore for Continental Automotive from 2016. She has published more than 54 international top journal/conference papers and holds 14 industrial patents. She was Chair of the IEEE CASS chapter Singapore 2022-2023, Associate Editor of IEEE TCAS II 2020-2022, and Chair for IEEE Standard of Hardware Security under CAS SASD.

Yi(Estelle) Wang is as committee member of IEEE CAS Singapore Chapter for more than 10 years. During her term as the Chapter Chair (2022-2023), CAS Singapore Chapter has won the "Best Chapter Award" of IEEE CAS Society for 2022 and the winner of "Chapter Award" for IEEE Singapore Section for 2023. She successfully increased the number of CASS members 34% from 2021 to 2023 via different activities:

(1) 2024: Organized CASIF with 80% participating from industries
(2) 2024: Organizing committee of ISCAS 2024

(3) 2024: Organizing committee of APCCAS 2024
(4) 2023: Organized workshop for preparing two student branches for IEEE CASS of NTU and NUS with ExCom members
(5) 2023: International Conferences Emerging Semiconductor Technology for a Sustainable Future with 100K USD sponsored by industry
(6) 2023: Co-organize IEEE GeronCAS at Malaysia
(7) 2022: Organized SEACAS and participated for Vietnam and Philippine
(8) 2022: IEEE International Workshop for Future Intelligent Circuits and Systems with 50k USD sponsored by industry
(9) 2022: Supported IEEE CASS "Climate Change" conference

Yi (Estelle) Wang is very innovative and a people leader, who has established the Product Cybersecurity and Privacy department. She is the leading expert in cybersecurity industrial standards, e.g., ISO 2700x and ISO 26262, ISO/SAE 21434. She is also a liaison officer between international governments, such as CATARC (China), TIAA (China), LTA (Singapore), CSA (Singapore), and more.

Yi (Estelle) Wang has been shortlisted of "Cybersecurity Woman of the Year Award 2024" and was honored with "Top Women in Security ASEAN 2021" 2021 and 2022 (Singapore, Phillips, Indonesia, Malaysia, Cambodia, and Thailand) by Public Security Society.

Statement: I would like to share my experiences working with industries, government, business partners, and academics to drive the following CASS programs.

(1) CASS Champions in Industry Program
Students: Develop internship program and cooperative education program to provide students with hands-on industry experience and understand the problems in the industry

Industrial leader: Develop a career-sharing program with industry leaders to raise awareness of career opportunities in the industries.

Academic leader: Develop innovation programs platforms such as "problem owner" from industrial and "problem solver" from academia to enhance the activities.

Government partner: CASS should sign a memorandum of understanding with local or global government to provide an exchange platform for industries and academic

(2) CASS Champions in Diversity, Equity and Inclusion
Students: Develop a program to promote DEI concepts among young talents via workshops, scholarships/grants, and community engagement.

Members: Develop a program to attract members from industries, government, and management via promoting senior membership and creating an exchange platform.

Questions:
1) What are in your opinion the three most important services that CASS should provide to its membership?
If elected, I would like to drive the following services:
   (1) Industrial member: I will provide benefits and opportunities for industrial members from CASS to attract more members. For example, CASS partners with local or global governments to provide a platform.
   (2) Industrial Forum: I would like to promote a long-term serious of Industrial forums focusing on emerging technology
   (3) DEI workshop: I would like to drive the workshop to enhance CASS's diversity, equity, and inclusion in with low balancing ratios' regions. I would like to promote CASS to attract members from the government and industry by promoting senior membership

2) Mention one large long-term initiative that CASS should undertake in the next two years and that you would help to establish if elected.
   I would like to propose the "CASS - Industry - Government – Academic (CIGA) Forum" to promote the role of CASS as the bridge between academia and industry. CASS and local or global governments (MoUs) would provide an innovation exchange platform between the startups and the MNCs which enhances the current CASIF program.

Background: The current CAS society has relatively few participants from the industry. The main reason is that industries are highly interested in attending workshops/conferences that their customers attend.

Expected outcome: 50% participants from industrial attending workshop

Impact measurement: at least a 10% increase in industrial membership

3) Mention three ways for CASS to reach/serve a specific part of the CAS community that you consider of particular importance (Industry, Academia, young CAS members, members of a specific region)
   (1) [Industry Members] I would like to promote CASS via standardization activities to attract more industry members to work with IEEE to develop innovative technical standards.
   (2) [Young CASS Member] I would like to promote CASS as a career guide for industries/academics to prepare young members to be ready for their next job, which also focuses on "Soft Skills."
   (3) [Female CAS members] I would like to bring the impacts of CASS to female engineers, students, and young talent via organizing focus groups to enhance the influence.