

# 2023 Annual Report (June 2022 – May 2023)

## CASCOM Technical Committee

### IEEE Circuits and Systems Society

Chairman: Máire O'Neill  
Chair-Elect/Secretary: Chuan Zhang/Jongsung Park

## 1. Technical Committee/Special Interest Group Meeting(s):

Please provide information on the TC/SiG meetings held in the past year, including date, time, location, attendance rate, and if a quorum was present.

- CASCOM TC meeting (Hybrid), May 31, 2022, 12 ~ 13:00, Austin, Texas, ISCAS2022

## 2. Voting Members:

| First Name              | Last Name            | Affiliation   | Email  | IEEE Grade  | IEEE Region |
|-------------------------|----------------------|---|--|-------------|-------------|
| Hassan                  | Aboushady            | University of Pierre and Marie Curie, France                            | <a href="mailto:Hassan.Aboushady@lip6.fr">Hassan.Aboushady@lip6.fr</a>               |             | Region 8    |
| Khaldoon S.             | Abugharbieh          | Princess Sumaya University for Technology, Amman, Jordan                | <a href="mailto:k.abugharbieh@psut.edu.jo">k.abugharbieh@psut.edu.jo</a>             |             | Region 8    |
| Yucel                   | Altunbasak           | Georgia Institute of Technology, USA                                    | <a href="mailto:yucel@ece.gatech.edu">yucel@ece.gatech.edu</a>                       |             | Region 1-6  |
| Paul                    | Ampadu               | Virginia Tech., USA   | <a href="mailto:ampadu@mit.edu">ampadu@mit.edu</a>                                   |             | Region 1-6  |
| Wael                    | Badawy               | Nile University, Egypt  | <a href="mailto:WBadawy@nu.edu.eg">WBadawy@nu.edu.eg</a>                             |             | Region 8    |
| Alexios                 | Balatsoukas-Stimming | Eindhoven University of Technology                                      | <a href="mailto:a.k.balatsoukas.stimming@tue.nl">a.k.balatsoukas.stimming@tue.nl</a> | Member      | Region 8    |
| Magdy                   | Bayoumi              | University of Louisiana at Lafayette, USA                               | <a href="mailto:mab@cacs.louisiana.edu">mab@cacs.louisiana.edu</a>                   |             | Region 1-6  |
| Shan                    | Cao                  | Shanghai University, China  | <a href="mailto:cshan@shu.edu.cn">cshan@shu.edu.cn</a>                               | IEEE member | Region 10   |
| Joseph R.               | Cavallaro            | Rice University   | <a href="mailto:cavallar@rice.edu">cavallar@rice.edu</a>                             | Fellow      | Region 5    |
| Kheong Sann             | Chan                 | Nanjing Institute of Technology, China                                  | <a href="mailto:kheongsann@ieee.org">kheongsann@ieee.org</a>                         |             | Region 10   |
| Lap-Pui                 | Chau                 | Nanyang Technological University, Singapore                             | <a href="mailto:elpchau@ntu.edu.sg">elpchau@ntu.edu.sg</a>                           |             | Region 10   |
| Vanessa                 | Chen                 | Carnegie Mellon University  | <a href="mailto:vanessachen@cmu.edu">vanessachen@cmu.edu</a>                         | Member      | Region 2    |
| Jienan                  | Chen                 | University of Electronic Science and Technology of China                | <a href="mailto:jesson.chen@outlook.com">jesson.chen@outlook.com</a>                 | Member      | Region 10   |
| Run                     | Chen                 | South China University of Technology, China                             | <a href="mailto:runchen1234@icloud.com">runchen1234@icloud.com</a>                   |             | Region 10   |
| Yong                    | Chen                 | University of Macau   | <a href="mailto:ychen@um.edu.mo">ychen@um.edu.mo</a>                                 | Member      | Region 10   |
| Tzi-Dar                 | Chiueh               | National Taiwan University, Taiwan                                      | <a href="mailto:chiueh@cc.ee.ntu.edu.tw">chiueh@cc.ee.ntu.edu.tw</a>                 |             | Region 10   |
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| Sri Navaneetha krishnan | Easwaran             | Texas Instruments   | <a href="mailto:navaneeth.easwaran@gmail.com">navaneeth.easwaran@gmail.com</a>       | Member      | Region 1-6  |
| Mohamed Shaheen         | Elgamel              | Arab Academy for Science and Technology and Maritime Transport, Egypt   | <a href="mailto:mohamed.shaheen@aast.edu">mohamed.shaheen@aast.edu</a>               |             | Region 8    |
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| Chongyan            | Gu       | Queen's University Belfast                                       | <a href="mailto:c.gu@qub.ac.uk">c.gu@qub.ac.uk</a>                         | Senior Member | Region 8   |
| Junghwan            | Han      | Chungnam National University                                     | <a href="mailto:jh.han@cnu.ac.kr">jh.han@cnu.ac.kr</a>                     | Member        | Region 10  |
| Yuan-Hao            | Huang    | National Tsing Hua University                                    | <a href="mailto:yhhuang@ee.nthu.edu.tw">yhhuang@ee.nthu.edu.tw</a>         | Member        | Region 10  |
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| Jin-Ku              | Kang     | Inha University, Korea (South)                                   | <a href="mailto:jkang@inha.ac.kr">jkang@inha.ac.kr</a>                     | Member        | Region 10  |
| Rajendra            | Katti    | University of Washington, Tacoma, USA                            | <a href="mailto:rajkatti@uw.edu">rajkatti@uw.edu</a>                       |               | Region 1-6 |
| Kyung Ki            | Kim      | Daegu University   | <a href="mailto:kkkim@daegu.ac.kr">kkkim@daegu.ac.kr</a>                   | Member        | Region 10  |
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| Alexander           | Korotkov | Peter the Great St. Petersburg Polytechnic University            | <a href="mailto:korotkov@rphf.spbstu.ru">korotkov@rphf.spbstu.ru</a>       | Senior member | Region 8   |
| Shoba               | Krishnan | Santa Clara University, USA                                      | <a href="mailto:skrishnan@scu.edu">skrishnan@scu.edu</a>                   |               | Region 1-6 |
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| Li                  | Li       | Nanjing University, China  | <a href="mailto:lili@nju.edu.cn">lili@nju.edu.cn</a>                       | Member        | Region 10  |
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| Zhengguo            | Li       | Institute for Infocomm Research, Singapore                       | <a href="mailto:ezgli@i2r.a-star.edu.sg">ezgli@i2r.a-star.edu.sg</a>       |               | Region 10  |
| Weisi               | Lin      | Nanyang Technological University                                 | <a href="mailto:Wslin@ntu.edu.sg">Wslin@ntu.edu.sg</a>                     | Fellow        | Region 10  |
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| Jun                 | Lin      | Nanjing Univ, China  | <a href="mailto:jlin@nju.edu.cn">jlin@nju.edu.cn</a>                       |               | Region 10  |
| Nam                 | Ling     | Santa Clara University, USA                                      | <a href="mailto:nling@scu.edu">nling@scu.edu</a>                           | Fellow        | Region 1-6 |
| Weiqliang           | Liu      | Nanjing University of Aeronautics and Astronautics (NUAA), China | <a href="mailto:liuweiqliang@nuaa.edu.cn">liuweiqliang@nuaa.edu.cn</a>     | Senior Member | Region 10  |
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| Gerald             | Sobelman       | University of Minnesota                            | <a href="mailto:sobelman@ece.umn.edu">sobelman@ece.umn.edu</a>               | Life Senior Member | Region 4   |
| Fernando Rangel de | Sousa          | University of Santa Catarina, Brazil               | <a href="mailto:fernando.rangel@eel.ufsc.br">fernando.rangel@eel.ufsc.br</a> |                    | Region 9   |
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| Christoph          | Studer         | ETH Zürich   | <a href="mailto:studer@ethz.ch">studer@ethz.ch</a>                           | IEEE Senior Member | Region 8   |
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| Myung Hoon         | Sunwoo         | Ajou Unniversity                                   | <a href="mailto:sunwoo@ajou.ac.kr">sunwoo@ajou.ac.kr</a>                     | Fellow             | Region 10  |
| Armin              | Tajalli        | University of Utah                                 | <a href="mailto:armin.tajalli@utah.edu">armin.tajalli@utah.edu</a>           |                    |            |
| Cihan              | Tepedelenioglu | Arizona State University, USA                      | <a href="mailto:cihan@asu.edu">cihan@asu.edu</a>                             |                    | Region 1-6 |
| Murat              | Torlak         | The University of Texas at Dallas, USA             | <a href="mailto:torlak@utdallas.edu">torlak@utdallas.edu</a>                 |                    | Region 1-6 |
| Pei-Yun            | Tsai           | National Central University, Taiwan                | <a href="mailto:pytsai@ee.ncu.edu.tw">pytsai@ee.ncu.edu.tw</a>               | Member             | Region 10  |
| Lan-Da             | Van            | National Chiao Tung University                     | <a href="mailto:ldvan@cs.nctu.edu.tw">ldvan@cs.nctu.edu.tw</a>               | Senior Member      | Region 10  |
| Khurram            | Waheed         | Freescale Semiconductor, USA                       | <a href="mailto:khurramwaheed@ieee.org">khurramwaheed@ieee.org</a>           |                    | Region 1-6 |
| Zhongfeng          | Wang           | Nanjing University, China                          | <a href="mailto:zfwang@nju.edu.cn">zfwang@nju.edu.cn</a>                     |                    | Region 10  |
| An-Yeu (Andy)      | Wu             | National Taiwan University, Taiwan                 | <a href="mailto:andywu@ntu.edu.tw">andywu@ntu.edu.tw</a>                     | Fellow             | Region 10  |
| Jiafeng            | Xie            | Villanova University                               | <a href="mailto:jiafeng.xie@villanova.edu">jiafeng.xie@villanova.edu</a>     | Senior Member      | Region 2   |
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| Xiaoquan (Bill)    | Yi             | Google, USA  | <a href="mailto:byi@google.com">byi@google.com</a>                           |                    | Region 1-6 |
| Hoyoung            | Yoo            | Chungnam National University                       | <a href="mailto:hyyoo@cnu.ac.kr">hyyoo@cnu.ac.kr</a>                         | Member             | Region 10  |
| Qiaoyan            | Yu             | University of New Hampshire, USA                   | <a href="mailto:qiaoyan.yu@unh.edu">qiaoyan.yu@unh.edu</a>                   |                    | Region 1-6 |
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| Bo                 | Yuan           | Rutgers University, USA                            | <a href="mailto:bo.yuan@soe.rutgers.edu">bo.yuan@soe.rutgers.edu</a>         | Member             | Region 1-6 |
| Xinmiao            | Zhang          | The Ohio State University                          | <a href="mailto:Zhang.8952@osu.edu">Zhang.8952@osu.edu</a>                   | Senior member      | Region 1-6 |
| Chuan              | Zhang          | Southeast University                               | <a href="mailto:chzhang@seu.edu.cn">chzhang@seu.edu.cn</a>                   | Senior Member      | Region 10  |
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| Junshan            | Zhang          | Arizona State University, USA                      | <a href="mailto:Junshan.Zhang@asu.edu">Junshan.Zhang@asu.edu</a>             |                    | Region 1-6 |
| Tong               | Zhang          | Rensselaer Polytechnic Institute, USA              | <a href="mailto:tzhang@ecse.rpi.edu">tzhang@ecse.rpi.edu</a>                 |                    | Region 1-6 |
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| Danella            | Zhao           | Old Dominion University, USA                       | <a href="mailto:dzhao@odu.edu">dzhao@odu.edu</a>                             |                    | Region 1-6 |
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**Geographical distribution of TC/SIG members (percentage of total)**

|                                       | 2022       |
|---------------------------------------|------------|
| Total number of TCs                   | 94 (100%)  |
| Regions 1 – 6 (U.S.A.)                | 35 (37%)   |
| Region 7 (Canada)                     | 1 (1.1%)   |
| Region 8 (Europe/Africa, Middle East) | 16 (17%)   |
| Region 9 (Central/South America)      | 1 (1.1%)   |
| Region 10 (Asia/Pacific)              | 41 (44.6%) |

**Gender distribution of TC/SIG members (percentage of total)**

|                     | 2022       |
|---------------------|------------|
| Total number of TCs | 94 (100%)  |
| Male                | 84 (89.4%) |
| Female              | 10 (10.6%) |

**Distribution of TC/SIG members by affiliation (percentage of total)**

|                     | 2022       |
|---------------------|------------|
| Total number of TCs | 94 (100%)  |
| Academia            | 83 (90.4%) |
| Industry            | 9 (9.6%)   |
| Government          | 0 (0%)     |

### 3. Accomplished Technical Activities

#### 3.1. IEEE Conference/Event organizations

(First priority, please highlight conference/events technically and financially co-sponsored by the CAS Society)

| Your Name                    | Conference Sponsors | Conference/Event Title   | Your Role  |
|------------------------------|---------------------|--|--|
| Alexios Balatsoukas-Stimming | IEEE CAS            | ISCAS 2023   | TPC Member   |
| Joseph Cavallaro             | IEEE CAS            | ISCAS 2023   | RCM  |
| Joseph Cavallaro             | IEEE CAS            | SIPS 2022  | TPC Member   |
| Vanessa Chen                 | IEEE CAS            | ISCAS  | RCM  |
| Yong Chen. Nick              | IEEE CAS            | ISCAS 2023   | RCM, Reviewer  |
| Yong Chen. Nick              | IEEE CAS            | NorCAS 2023  | TPC  |
| Yong Chen. Nick              | IEEE CAS            | A-SSCC 2023  | TPC  |
| Yong Chen. Nick              | IEEE CAS            | NorCAS 2022  | TPC, Reviewer  |
| Yong Chen. Nick              | IEEE CAS            | ICTA 2022  | TPC  |
| Yong Chen. Nick              | IEEE CAS            | A-SSCC 2022  | TPC  |
| Sri Navaneeth Easwaran       | IEEE CAS            | ISCAS 2022   | Tutorial: "Analog, Mixed Signal and Power Integrated Circuits (ICs) for automotive applications and testing methodology for quality" |
| Sri Navaneeth Easwaran       | IEEE CAS            | ISCAS 2022   | Session chair for "Late Breaking Session"  |
| Sri Navaneeth Easwaran       | IEEE CAS            | NEWCAS 2022  | Tutorial: "Analog, Mixed Signal and Power Integrated Circuits (ICs) for automotive applications and testing methodology for quality" |
| Chongyan Gu                  | IEEE CAS            | ISCAS 2023   | RCM, Reviewer  |
| Han, Junghwan                | IEEE CAS            | IEEE International Conference on Artificial Intelligence Circuits and Systems (AICAS) 2022 | Exhibition Co-Chairs   |
|                              |                     |  |  |

|                        |          |   |  |
|------------------------|----------|---|--|
| Yuan-Hao Huang         | IEEE CAS | 2022 IEEE Biomedical Circuits and Systems Conference      | Financial Chair                            |
| Yuan-Hao Huang         | IEEE CAS | 2023 IEEE International Symposium on Circuits and Systems | TPC, Reviewers                             |
| Yingjie Lao            | IEEE CAS | ISCAS 2023  | RCM  |
| Hanho Lee              | IEEE CAS | AICAS 2022  | Local Arrangement Chair                    |
| Youngjoo Lee           | IEEE CAS | ISCAS 2023  | RCM<br>Reviewer                            |
| Youngjoo Lee           | IEEE CAS | ISICAS 2023   | OC Member                                  |
| Youngjoo Lee           | IEEE CAS | ISLPED 2023   | TPC Member                                 |
| Youngjoo Lee           | IEEE CAS | ISOCC 2022  | OC Member<br>TPC Member<br>Session Chair   |
| Youngjoo Lee           | IEEE CAS | A-SSCC 2022   | TPC Member<br>Session Chair                |
| Cheng-Hung (Dixon) Lin | IEEE CAS | ISCAS 2023  | RCM, Reviewer                              |
| Cheng-Hung (Dixon) Lin | IEEE CAS | AICAS 2023  | Reviewer                                   |
| Weiqiang Liu           | IEEE CAS | ISCAS 2023  | RCM  |
| Maire O'Neill          | IEEE CAS | ISCAS 2023  | Track Chair, Session Chair                 |
| Jongson Park           | IEEE CAS | ISCAS 2023  | RCM, Session Chair                         |
| Jongson Park           | IEEE CAS | AICAS 2023  | Plenary Session Chair                      |
| Pei-Yun Tsai           | IEEE CAS | ISCAS 2022  | Review Committee Member                    |
| Lan-Da Van             | IEEE CAS | IEEE AICAS 2022   | Special Session Co-Chair                   |
| Jiafeng Xie            | IEEE CAS | ISCAS 2023  | Review Committee                           |
|                        |          |   |  |
| Hoyoung Yoo            | IEEE CAS | ISCAS 2022  | Reviewer                                   |
| Hoyoung Yoo            | IEEE CAS | ISOCC 2022  | TPC Member, Session Chair                  |
| Hoyoung Yoo            | IEEE CAS | ISOCC 2023  | TPC Member                                 |
| Shichao Yu             | IEEE CAS | ISCAS 2023  | RCM, reviewer                              |
| Xinmiao Zhang          | IEEE CAS | ISCAS 2023  | RCM  |
| Xinmiao Zhang          | IEEE CAS | MWCAS 2024  | Track Chair                                |
| Xinmiao Zhang          | IEEE CAS | ISCAS 2023  | Inter Society Special Session Co-Organiser |
|                        |          |   |  |

(Second priority, please highlight conference/events technically by the CAS Society)

| Your Name    | Conference Sponsors | Conference/Event Title                                     | Your Role                            |
|--------------|---------------------|--|--------------------------------------|
| Hanho Lee    | IEEE CASS           | ISOCC 2022   | Special Session Co-chair             |
| Jongson Park | IEEE CAS            | ISOCC 2022   | General Chair                        |
| Lan-Da Van   | IEEE CAS            | International SoC Design Conference (ISOCC), 2022          | Technical Program Committee Co-Chair |
| Lan-Da Van   | IEEE CAS            | IEEE Nordic Circuits and Systems Conference (NORCAS), 2022 | TPC Member                           |
| Jiafeng Xie  | IEEE CAS            | ICCAD 2022, 2023   | Technical Committee Member           |

Please don't report conference/events that are NOT sponsored by the CAS Society. Thank you!

### 3.2. IEEE Journal Editorships:

(Please highlight the journals that are (co-)sponsored by the CAS Society, cf., <https://ieeecas.org/publications>)

| Your Name       | Journal Sponsors | Journal Title  | Your Role        |
|-----------------|------------------|--|------------------|
| Vanessa Chen    | IEEE CAS         | IEEE Transactions on Circuits and Systems I: Regular Papers (TCAS-I) | Associate Editor |
| Vanessa Chen    | IEEE CAS         | IEEE Transactions on Biomedical Circuits and Systems                 | Associate Editor |
| Vanessa Chen    | IEEE CAS         | IEEE Open Journal of Circuits and Systems                            | Guest Editor     |
| Yong Chen, Nick | IEEE CAS         | IEEE Transaction on Very Large Scale Integration (TVLSI) Systems     | Associate Editor |
| Yong Chen, Nick | IEEE CAS         | IEEE Transactions on Circuits and Systems I: Regular Papers          | Guest Editor     |

|                 |          |  |                  |
|-----------------|----------|--|------------------|
| Yong Chen, Nick | IEEE CAS | IEEE Transactions on Circuits and Systems II: Express Briefs | Guest Editor     |
| Han, Junghwan   | IEEE CAS | IEEE Open Journal of Circuits and Systems                    | Associate Editor |
| Han, Junghwan   | IEEE CAS | IEEE Transaction on Circuits and Systems I – Regular Papers  | Reviewer         |
| Han, Junghwan   | IEEE CAS | IEEE Transaction on Circuits and Systems II – Express Brief  | Reviewer         |
| Yingjie Lao     | IEEE CAS | IEEE Trans. on VLSI Systems                                  | Associate Editor |
| Weiqiang Liu    | IEEE CAS | IEEE Trans. on Circuits and Systems I: Regular Papers        | Associate Editor |
| Jongsun Park    | IEEE CAS | IEEE CAS Magazine  | Associate Editor |
| Jiafeng Xie     | IEEE CAS | IEEE Trans. VLSI Systems                                     | Associate Editor |
| Xinmiao Zhang   | IEEE CAS | IEEE Open Journal of Circuits and Systems                    | Associate Editor |

Please don't report journals that are NOT sponsored by the CAS Society. Thank you!

### 3.3. Awards, Honors, and Recognition

(Fellow, Distinguished Lecturer, Outstanding Service, Best Paper Awards, and so on by the CAS Society)

| Your Name       | Awards / Honors / Recognition   | Period    |
|-----------------|---|-----------|
| Yong Chen, Nick | one of the three best Associate Editors of IEEE Transaction on Very Large Scale Integration (TVLSI) Systems in 2021 | 2022      |
| Yong Chen, Nick | one of the three best Reviewers of IEEE Transaction on Very Large Scale Integration (TVLSI) Systems in 2021         | 2022      |
| Gerald Sobelman | Distinguished Lecturer  | 2020-2022 |

### 3.4. Keynote Speeches/Invited Talks:

| Your Name       | Invited by             | Event/Conference Title   | Talk Title   | Date               |
|-----------------|------------------------|--|--|--------------------|
| Weiqiang Liu    | Alberto Bosio          | 23rd IEEE Latin-American Test Symposium (LATS 2022)                            | Security Vulnerabilities and Countermeasures for Approximate Computing | Sep 2022           |
| Weiqiang Liu    | Xinran Wang            | 16th International Conference on Solid-State and Integrated Circuit Technology | Energy Efficient approximate Computing Circuits and Systems            | Oct. 2022          |
| Maire O'Neill   | Conference Chair       | IEEE SoCC conference   | Machine Learning & Hardware Security                                   | 6 September 2023   |
| Gerald Sobelman | Chiang Mai University  | DLP Talk   | Machine Learning and Optimization for Communications and Deep Networks | September 23, 2022 |
| Gerald Sobelman | University of Bordeaux | DLP Talk   | Machine Learning and Optimization for Communications and Deep Networks | December 6, 2022   |

### 3.5. Other distinguished IEEE services

(For example, CAS BoG, Region/chapter leadership, TC chair/secretary)

| Your Name        | Organization                                   | Position/Activities   | Period         |
|------------------|--|---|----------------|
| Joseph Cavallaro | IEEE CASS Houston Chapter                      | Chair   | 2022-2023      |
| Joseph Cavallaro | IEEE Student Branch at Rice U.                 | Faculty Advisor   | 2022-2023      |
| Joseph Cavallaro | IEEE HKN Theta Rho at Rice U.                  | Faculty Advisor   | 2022-2023      |
| Joseph Cavallaro | IEEE CASS                                      | CASS Representative to IEEE Council on Radio Frequency ID                         | 2022-2023      |
| Joseph Cavallaro | IEEE SPS IEEE Transaction on Signal Processing | Senior Area Editor  | 2022-2024      |
| Joseph Cavallaro | IEEE Computer Society MICRO                    | Guest Co-Editor, Special Issue on Artificial Intelligence at the Edge (13 papers) | 2022           |
| Joseph Cavallaro | IEEE Comsoc GLOBECOM                           | TPC member  | 2022           |
| Han, Junghwan    | CAS Daejeon Chapter                            | Co-chair / Establish new Daejeon chapter in 2021                                  | 2021-          |
| Yuan-Hao Huang   | IEEE CAS                                       | Representative of CAS Taipei Chapter in IEEE Taipei Section                       | 2022.1~present |
| Hanho Lee        | IEEE CASS                                      | Board of Governor (BoG)   | 2022-2023      |

|                         |   |   |                 |
|-------------------------|---|---|-----------------|
| Hanho Lee               | IEEE CASS Seoul Chapter                           | Vice Chair  | 2022-2023       |
| Cheng-Hung (Dixson) Lin | IEEE CTSoc  | Vice-Chair/Consumer Communications Networks and Connectivity (CCN) TC | 2023-2024       |
| Cheng-Hung (Dixson) Lin | IEEE CTSoc  | Vice-Chair/Wireless and Network Technologies (WNT) TC                 | 2021-2022       |
| Cheng-Hung (Dixson) Lin | IEEE GCCE   | TPC Member  | 2022            |
| Cheng-Hung (Dixson) Lin | IEEE ICCE   | TPC Member  | 2023            |
| Weiqiang Liu            | IEEE Nanotechnology Council                       | Vice President-Elect for Technical Activities                         | 2022-2023       |
| Weiqiang Liu            | IEEE Trans. VLSI Systems                          | Steering Committee Chair  | 2023-2024       |
| Jongsun Park            | IEEE CAS  | CASCOM TC Secretary   | 2023            |
| Jongsun Park            | IEEE CAS Seoul Chapter                            | Finance   | 2022-2023       |
| Vyasa Sai               | IEEE Communications Magazine                      | Lead Series Editor  | 2019 - present  |
| Vyasa Sai               | IEEE Communications Magazine                      | Lead FT Development   | 2023 -present   |
| Vyasa Sai               | IEEE Access                                       | Associate Editor  | 2017 -present   |
| Vyasa Sai               | IEEE Transaction on Industrial Informatics        | Guest Editor  | 2022            |
| Vyasa Sai               | IEEE Smart Cities Newsletter                      | Guest Editor  | 2022            |
| Pei-Yun Tsai            | IEEE Asian Solid-State Circuits Conference        | TPC Co-Chair  | 2023            |
| Pei-Yun Tsai            | IEEE CASS   | Taipei Chapter Vice-Chair   | 2021-2022       |
| Lan-Da Van              | IEEE Transactions on Emerging Topics in Computing | Associate Editor  | 2022/01~Present |
| Lan-Da Van              | ACM Computing Surveys                             | Associate Editor  | 2020/01~Present |
| Lan-Da Van              | IEEE (MCSoc), 2022. (Sponsor: IEEE CS)            | Program Co-Chair  | 2022            |
| Xinmiao Zhang           | IEEE CAS  | VP Technical Activities   | 2023            |
| Xinmiao Zhang           | IEEE Comsoc                                       | Data Storage TC Chair   | 2022            |

#### 4. TC Significant Technical Leadership and Innovations

Please list 5 (or less) most significant TC/SIG activities in the past year, for example, but not limited to

- (1) Established/organized new CASS journals/conferences/workshops
  - a. Please include title, scope, status (e.g., submissions, published papers)
- (2) Organized special issues in CASS journal, special sessions/tutorials in CASS conferences, CASS seasonal schools, CASS industrial forums, or CASS competitions
  - a. Please include title, the guest editors/organizers, the year, and the month, the number of submissions, the number of papers published, and the impacts (e.g., the total number of citations/full text views so far or the total number of attendees)
- (3) Organized new CASS initiatives
- (4) Established cross-TCs/SIGs collaborations
- (5) Awards received by the TC/SIG or the TC/SIG members

#### 5. New plans for the next year

Are there any new initiatives, workshops, journal special issues, conference special sessions, etc., that your TC or TC members are planning for the next year?

- Yuan-Hao Huang: Co-organization of IEEE 2024 Asian Pacific Conference on Circuits and Systems (APCCAS) (Proved), Financial Chair.