2023 Annual Report (June 2022 – May 2023)
VLSI Systems and Applications Technical Committee
IEEE Circuits and Systems Society

Chairman: Tony Tae-Hyoung Kim
Chair-Elect/Secretary: Lan-Da Van

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

The VLSI Systems and Applications Technical Committee in the IEEE Circuits and Systems Society organizes one annual TC meeting, traditionally held during ISCAS. For 2022, a virtual meeting was held. The detailed Information is given as follows.
2022 Meeting Date: Virtual via teleconferencing on June 03, 2022
49 members attended the meeting

2. Voting Members: (41 members)

First Name	Last Name	Affiliation	Email	IEEE Grade	IEEE Region
Tony T.	Kim	Nanyang Technological University	thkim@ntu.edu.sg	Senior	10
Ioannis	Savidis	Drexel University	is338@drexel.edu	Senior	2
Bah-Hwee	Gwee	Nanyang Technological University	ebhgwee@ntu.edu.sg	Senior	10
Xinmiao	Zhang	The Ohio State University	zhang.8952@osu.edu	Senior	6
Robert Chen-Hao	Chang	National Chung Hsing University	chchang@nchu.edu.tw	Senior	10
Dimitrios	Soudris	National Technical University of Athens	dsoudris@microlab.ntua.gr	Member	8
Yue	Zheng	Nanyang Technological University	yue.zheng@ntu.edu.sg	Member	10
Abdullah	Baz	Umm Al-Qura University	aobaz01@uqu.edu.sa	Senior	8
Linda	DeBrunner	Florida State University	linda.debrunner@fsu.edu	Senior	3
Weiqiang	Liu	Nanjing University of Aeronautics and Astronautics	liuweiqiang@nuaa.edu.cn	Senior	10
Shuenn-Yuh	Lee	National Cheng Kung University	ieesyl@mail.ncku.edu.tw	Senior	10
Lan-Da	Van	National Yang Ming Chiao Tung University	ldvan@cs.nycu.edu.tw	Senior Member	10
Yingjie	Lao	Clemson University	ylao@clemson.edu	Senior	3
Vaishnav	Srinivas	Qualcomm	vaishnav.srinivas@gmail.com	Senior	6
Kun-Chih	Chen	National Yang Ming Chiao Tung University	kcchen@nycu.edu.tw	Senior	10
Chua-Chin	Wang	National Sun Yat-Sen University	ccwang@ee.nsysu.edu.tw	Senior Member	10

Arindam	Sanyal	Arizona State University	arindam.sanyal@asu.edu	Member	6
Chip Hong	Chang	Nanyang Technological University	echchang@ntu.edu.sg	Fellow	10
Leonel	Sousa	Universidade de Lisboa	las@inesc-id.pt	Senior	8
Jongsun	Park	Korea University	jongsun@korea.ac.kr	Senior	10
Chung-An	Shen	National Taiwan University of Science and Technology	cashen@mail.ntust.edu.tw	Member	10
Baris	Taskin	Drexel University	taskin@coe.drexel.edu	Member	2
Meng-Fan(Marvin)	Chang	National Tsing Hua University, Hisnchu, Taiwan & TSMC	mfchang@ee.nthu.edu.tw	Fellow	10
Riadul	Islam	University of Maryland, Baltimore County	riaduli@umbc.edu	Senior Member	2
Francesca	Palumbo	Università degli Studi di Sassari	fpalumbo@uniss.it	Senior Member	8
Seokbum	Ko	University of Saskatchewan	seokbum.ko@usask.ca	Senior Member	7
Sunil	Khatri	Texas A&M University	sunilkhatri@tamu.edu	Senior Member	5
Jing	Tian	Nanjing University	tianjing@nju.edu.cn	Member	10
Peeter	Ellervee	Tallinn University of Technology, Estonia	p.ellervee@ieee.org	Member	8
Inna	Partin-Vaisband	University of Illinois Chicago	vaisband@uic.edu	Senior Member	4
Tian Sheuan	Chang	National Yang Ming Chiao Tung University	tschang@nycu.edu.tw	Senior Member	10
Zhongfeng	Wang	Nanjing University	zfwang@nju.edu.cn	Fellow	10
Jari	Nurmi	Tampere University	jari.nurmi@tuni.fi	Senior Member	8
Tawfiq	Musah	The Ohio State University	musah.3@osu.edu	Senior Member	2
Kwen-Siong	Chong	Zero-Error Systems Pte Ltd	KSChong@ieee.org	Senior Member	10
Hongbin	Sun	Xi'an Jiaotong University	hsun@mail.xjtu.edu.cn	Senior Member	10

Yuan	Du	Nanjing University	yuandu@nju.edu.cn	Senior Member	10
Hanho	Lee	Inha University	hhlee@inha.ac.kr	Senior Member	10
Darshika	Perera	University of Colorado Colorado Springs	dperera@uccs.edu	Senior Member	5
Joseph	Cavallaro	Rice University	cavallar@rice.edu	Fellow	5
Alexander	Fish	Bar Ilan University	alexander.fish@biu.ac.il	Member	8

Geographical distribution of TC/SIG members (percentage of total)

	2022
Total number of TCs	%
Regions 1 – 6 (U.S.A.)	32
Region 7 (Canada)	2
Region 8 (Europe/Africa, Middle East)	20
Region 9 (Central/South America)	1
Region 10 (Asia/Pacific)	44

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

	2022
Total number of TCs	%
Male	91
Female	9

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

	2022
Total number of TCs	%
Academia	93.5
Industry	6.5
Government	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
Tony T. Kim	IEEE CAS	ISCAS 2023	Track Chair, Session Chair
Tony T. Kim	IEEE CAS	AICAS 2022	Track Chair, Session Chair
Ioannis Savidis	IEEE CAS	ISCAS 2023	Finance, Chair, Track Chair, Session Chair
Bah-Hwee Gwee	IEEE CAS	ISCAS 2023	Track Chair
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-Organizer
Leonel Sousa	IEEE CAS	ISCAS 2023	RCM
Leonel Sousa	IEEE CAS	AICAS 2022	Special Session Co-Chairs

Robert Chen-Hao Chang	IEEE CAS	ISCAS 2023	RCM
Robert Chen-Hao Chang	IEEE CAS	AICAS 2022	Advisory Co-Chair
Dimitrios Soudris	IEEE CAS	ISCAS 2023	RCM and Reviewer
Yue Zheng	IEEE CAS	ISCAS 2023	Session Chair, RCM
Yue Zheng	IEEE CAS	AICAS 2022	Session Chair, Special Session Co-organizer
Yue Zheng	IEEE CAS	APCCAS 2022	Session Chair
Abdullah Baz	IEEE CAS	ISCAS 2023	RCM
Abdullah Baz	IEEE CAS	MWCAS 2024	RCM (Associate Editor)
Linda DeBrunner	IEEE CAS	ISCAS 2023	RCM
Abdel Martinez Alonso	IEEE CAS	ISCAS 2023	RCM and Reviewer
Weiqiang Liu	IEEE CAS	ISCAS 2023	RCM
Vishal Saxena	IEEE CAS	ISCAS 2023	RCM and Reviewer
Vasily Moshnyaga	IEEE CAS	MWSCAS 2022	General Chair
Vasily Moshnyaga	IEEE CAS	MWSCAS 2022	Steering Committee Chair
Vasily Moshnyaga	IEEE CAS	ISCAS 2023	RCM and Session Chair
Shuenn-Yuh Lee	IEEE CAS	ISCAS 2023	RCM, Session Chair
Shuenn-Yuh Lee	IEEE CAS	BioCAS 2022	General Co-Chairs
Lan-Da Van	IEEE CAS	AICAS 2022	Special Session Co-Chair
Weiwei Shan	IEEE CAS	ISCAS 2023	Session Chair, RCM
Weiwei Shan	IEEE CAS	APCCAS 2022	Publication Co-chair
Yingjie Lao	IEEE CAS	ISCAS 2023	RCM
Vaishnav Srinivas	IEEE CAS	ISCAS 2023	RCM
Kun-Chih Chen	IEEE CAS	ISCAS 2023	RCM, Session Chair
Kun-Chih Chen	IEEE CAS	ASSCC 2022	TPC, Session Chair
Kun-Chih Chen	IEEE CAS	MWSCAS 2023	TPC
Kun-Chih Chen	IEEE CAS	ASSCC 2023	TPC
Kun-Chih Chen	IEEE CAS	SOCC 2022	TPC
Kun-Chih Chen	IEEE CAS	SOCC 2023	TPC
Chua-Chin Wang	IEEE CAS	APCCAS 2022	Reviewer
Chua-Chin Wang	IEEE CAS	ISCAS 2023	Reviewer
Arindam Sanyal	IEEE CAS	ISCAS 2022	RCM
Arindam Sanyal	IEEE CAS	VLSI-D 2022	Track Chair
Arindam Sanyal	IEEE CAS	MWSCAS 2023	Local arrangements co-chair
Chip Hong Chang	IEEE CAS	APCCAS 2022	Technical Program Chair
Chip Hong Chang	IEEE CAS	ISCAS 2022	RCM, Session Chair
Chip Hong Chang	IEEE CAS	AICAS 2022	Session Chair, Special Session Co-organizer
Jongsun Park	IEEE CAS	ISCAS 2023	RCM, Session Chair
Jongsun Park	IEEE CAS	AICAS 2022	Plenary Session Chair
Chung-An Shen	IEEE CAS	ISCAS 2023	RCM, Session Chair
Baris Taskin	IEEE CAS	ISCAS 2023	Finance Chair, RCM
Riadul Islam	IEEE CEDA	GLSVLSI2022	TPC, Session Chair
Riadul Islam	IEEE CAS	ICCAD2022	PC
Riadul Islam	IEEE CS	ISVLSI2022	TPC
Francesca Palumbo	IEEE CAS	ISCAS 2023	RCM
Francesca Palumbo	IEEE CAS	SiPS 2022	Program Chair
Francesca Palumbo	IEEE CAS	LASCAS 2022	Reviewer
Francesca Palumbo	IEEE CEDA	CPS Summer School 2022	School Director
Leonel Sousa	IEEE CAS	ISCAS 2022	RCM
Leonel Sousa	IEEE CAS	AICAS	Special Session Co-Chair
Seokbum Ko	IEEE CAS	ISCAS 2023, 2023	RCM
Seokbum Ko	IEEE CAS	AICAS 2022, 2023	International liaison co-chair
Jing Tian	IEEE CAS	ISCAS 2023	RCM
Jing Tian	IEEE CAS	APCCAS 2022	Session Chair, Special Session Co-organizer
Jing Tian	IEEE CAS	SOCC 2023	Technical Program Chair
Peeter Ellervee	EEE CAS	IEEE NorCAS 2022	Management Committee, Session Chair
Peeter Ellervee	EEE CAS	ISCAS 2023	RCM
Peeter Ellervee	EEE CAS	MWSCAS 2023	TCP
Tian Sheuan Chang	IEEE CAS	ISCAS 2023	RCM, Session chair
Zhongfeng Wang	IEEE CAS	ISCAS 2023	RCM
Zhongfeng Wang	IEEE CAS	APCCAS 2023	Special Session Co-chair
Jari Nurmi	IEEE CAS	ISCAS 2023	RCM

Jari Nurmi	IEEE CAS	IEEE NorCAS 2022	General Chair, Steering committee chair
Jari Nurmi	IEEE CAS	ICECS 2022	TPC member
Jari Nurmi	IEEE CAS	MWCAS 2022	TPC member
Tawfiq Musah	IEEE CAS	ISCAS 2022	RCM, Session Chair
Tawfiq Musah	IEEE CAS	ISCAS 2023	RCM, Session Chair
Magdy El-Moursy	IEEE CAS	ISCAS 2023	TPC< RCM, and Reviewer
Hongbin Sun	IEEE CAS	ISCAS 2022	RCM and Reviewer
Kwen-Siong Chong	IEEE CAS	APCCAS 2022	Reviewer
Yuan Du	IEEE CAS	ISCAS 2023	RCM and Reviewer
Yuan Du	IEEE CAS	AICAS 2023	Reviewer and Special Session Co-chair
Yuan Du	IEEE CAS	AICAS 2023 Grand Challenge	Organizing Committee
Yuan Du	IEEE CAS	APCCAS 2022	Special Session Co-chair
Darshika G. Perera	IEEE CAS	ISCAS 2022	RCM
Darshika G. Perera	IEEE CAS	NorCAS 2022	TPC
Darshika G. Perera	IEEE CAS	ISCAS 2023	Session Chair
Darshika G. Perera	IEEE CAS	SOCC 2023	TPC
Darshika G. Perera	IEEE CAS	NorCAS 2023	TPC
Joseph Cavallaro	IEEE CAS	ISCAS 2023	RCM
Joseph Cavallaro	IEEE CAS	SiPS 2022	TPC member
Alexander Fish	IEEE CAS	LASCAS 2023	Program Chair
Alexander Fish	IEEE CAS	ISCAS 2022	RCM

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

Your Name	Conference Sponsors	Conference/Event Title	Your Role
Tony T. Kim	IEEE CAS	ISOCC 2022	Special Session Chair
Yue Zheng	IEEE CAS	ISOCC 2022	Special Session Co-chair
Weiqiang Liu	IEEE CAS	AICAS 2022	RCM
Dimitrios Soudris	IEEE CAS	VLSI-SoC 2022	Special Session Chair
Vasily Moshnyaga	IEEE	4th Global Conference on Life Sciences and & Technologies (LifeTech 2022)	Special Session Chair
Lan-Da Van	IEEE CAS	ISOCC 2022	Technical Program Committee Co-Chair
Lan-Da Van	IEEE CAS	IEEE NORCAS, 2022	TPC Member
Kun-Chih Chen	IEEE CAS	IEEE NorCAS 2022	TPC
Kun-Chih Chen	IEEE CASS	IEEE NorCAS 2023	TPC
Kun-Chih Chen	IEEE CASS	ISOCC 2022	Special Session Chair
Kun-Chih Chen	IEEE CASS	IEEE MCSoC 2022	TPC
Kun-Chih Chen	IEEE CASS	IEEE MCSoC 2023	TPC Chair
Kun-Chih Chen	IEEE CASS	IEEE COINS 2022	Track Chair
Kun-Chih Chen	IEEE CASS	IEEE COINS 2023	Track Chair
Chua-Chin Wang	IEEE CAS	ISOCC 2022	Reviewer
Jongsun Park	IEEE CAS	ISOCC 2022	General Chair
Meng-Fan Chang	IEEE CAS	VLSI-DAT 2023	Track Co-chair
Meng-Fan Chang	IEEE EDS	IEDM	Executive Committee (Publication co-chair)
Meng-Fan Chang	IEEE SSCS	ISSCC	Memory Subcom Chair
Francesca Palumbo	IEEE TCVLSI	ASAP 2023	Reviewer
Leonel Sousa	IEEE TCVLSI	ASAP 2023	TPC member
Leonel Sousa	IEEE TCVLSI	ASAP 2022	TPC member
Leonel Sousa	IEEE CAS	Sbcci 2022	**IEEE CASS VSATC Liaison**

Leonel Sousa	IEEE TCVLS	IEEE ARITH 2022	Program Co-Chair
Sunil Khatri	IEEE TCVLSI	IEEE ICCAD 2022	TPC member, logic track
Sunil Khatri	IEEE TCVLSI	IEEE ICCAD 2023	TPC member, logic track
Sunil Khatri	IEEE TCVLSI	IEEE ISCAS 2022	Track co-chair, track 10 (DSP)
Peeter Ellervee	IEEE CAS	NoCArc 2022	TCP
Jari Nurmi	IEEE CAS	FPL 2022	Steering committee member
Magdy El-Moursy	IEEE CAS	ISOCC 2022	TPC
Yuan Du	IEEE CAS	ISOCC 2022	Reviewer and Session Co-chair
Hanho Lee	IEEE CAS	ISOCC 2022	Special Session Co-Chair

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://ieee-cas.org/publications)

Your Name	Journal Sponsors	Journal Title	Your Role
Tony T. Kim	IEEE CAS	IEEE Trans. On VLSI Systems	Associate Editor
Tony T. Kim	IEEE CAS	IEEE JETCAS	Corresponding Guest Editor
Ioannis Savidis	IEEE CAS	IEEE Trans. on VLSI Systems	Associate Editor
Bah-Hwee Gwee	IEEE CAS	IEEE CAS Magazine	Editorial Board Member
Xinmiao Zhang	IEEE CAS	IEEE Open Journal of Circuits and Systems	Associate Editor
Yue Zheng	IEEE CAS	IEEE Trans. on Circuits and Systems II: Express Briefs	Associate Editor
Weiiqang Liu	IEEE CAS	IEEE Trans. on Circuits and Systems I: Regular Papers	Associate Editor
Vishal Saxena	IEEE CAS	IEEE Trans. on Circuits and Systems II: Express Briefs	Associate Editor
Shuenn-Yuh Lee	IEEE CAS	IEEE Trans. on Biomedical Circuits and Systems	Associate Editor
Yingjie Lao	IEEE CAS	IEEE Trans. on VLSI Systems	Associate Editor
Vaishnav Srinivas	IEEE CAS	IEEE Trans. on VLSI Systems	Associate Editor
Chip Hong Chang	IEEE CAS	IEEE Trans. on Circuits and Systems I: Regular Papers	Associate Editor
Chip Hong Chang	IEEE CAS	IEEE Trans. on VLSI Systems	Associate Editor
Jongsun Park	IEEE CAS	IEEE CAS Magazine	Associate Editor
Meng-Fan Chang	IEEE CAS	IEEE TCAS-I	Associate Editor
Meng-Fan Chang	IEEE CAS	IEEE TVLSI	Associate Editor
Seokbum Ko	IEEE CAS	IEEE TVLSI	Associate Editor
Jari Nurmi	IEEE CAS	IEEE TVLSI	Corresponding Guest Editor
Magdy El-Moursy	IEEE CAS	IEEE Trans. on VLSI Systems	Associate Editor
Hongbin Sun	IEEE CAS	IEEE TCSVT	Associate Editor
Yuan Du	IEEE CAS	IEEE OJCAS	Guest 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
Tony T. Kim	IW-FICAS Best Poster Award	2022
Leonel Sousa	IEEE Computer Society Distinguished Contributor	2022
Chua-Chin Wang	IEEE ICICDT Best Paper Award.	2022

Sunil P Khatri	IEEE ICCD Best paper nomination (1 out of 5 nominees)	2021
Zhongfeng Wang	ISVLSI Best Paper Award	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
Vishal Saxena	AIM Photonics	Albany Nanotechnology Symposium	Towards Large-Scale Hybrid Electronic-Photonic Integrated Circuits	Nov 9,. 2022
Shuenn-Yuh Lee	Oliver Lue	2022 IEEE Symposium on VLSI technology and circuits	A Wireless Urine Detection System and Platform with Power-Efficient Electrochemical Readout ASIC and ABTS-CNT Biosensor	Jun. 16, 2022
Vaishnav Srinivas	Wendem Beyene	2023 IEEE DTMES	Early Planning for Robust Power and Signal Integrity for High-Speed Interfaces	Feb 2023
Kun-Chih Chen	Chris Gwo-Giun Lee	2022 Korea-Taiwan Circuits and Systems (KTCAS) workshop	The Future DNN Accelerator Design Paradigm Deep Neural Network on Chip (DNNoC)	Feb 2022
Chip Hong Chang	Bappadittya Roy	3rd IEEE conference on Artificial Intelligence and Signal Processing (AISP2023)	A Dual-key Multi-backdoor Watermarking for DNN IP Ownership Detection and Buyer Tracking	March 19, 2023
Chip Hong Chang	Ron C. Wu	6th International Conference on Signal Processing and Information Communications (ICSPIC 2023)	Trustworthy Sensing for Internet of Video Things	Feb. 26, 2023
Chip Hong Chang	Heleny H. Yi	6th International Conference on Imaging, Signal Processing and Communications and 6th International Conference on Artificial Intelligence and Virtual Reality (ICISPC & AIVR 2022)	Data Augmentation Based Backdoor for Poisoning and Watermarking of Deep Neural Networks	July 23, 2022
Chip Hong Chang	Frannie Lee	9th International Conference on Management of e-Commerce and e-Government (ICMECG 2022)	Trustworthy Sensing for Internet of Video Things	July 8, 2022
Chip Hong Chang	Chongyan Gu	3rd Annual Conference of the Association of British Chinese Professors (ABCP 2022)	A Buyer-traceable DNN Model IP Protection Method Against Piracy and Misappropriation	July 2, 2022
Francesca Palumbo	Koen De Bosschere	2022 ACACES Summer School	Cognitive Cyber Physical Systems: exploiting distributed intelligence to support self-adaptive behaviours	July 10-16, 2022
Sunil Khatri	SGRE-22	IEEE International Conference on Smart Grid and Renewable Energy (SGRE) 2022	Distributed Consensus and the Smart Grid	Mar 20-22, 2022
Inna Partin-Vaisband	Cris Ababei	International Workshop on Network on Chip Architectures (NoCArc 2022)	Machine Learning for Hardware Security – from Application to Transformative Impact	October 2, 2022
Magdy El-Moursy	Paolo Bernardi	IEEE Automotive Reliability, Test & Safety (ARTS 2022)	Estimating Performance and Power Dissipation of ADAS Application on RTL	30 September 2022
Zhongfeng Wang	Li Chen	2022 Greater Bay Area (GBA) International Workshop on Network Coding and Data Storage	Design and Implementation of Error-Correction Codes Suited for Storage Systems	June 18, 2022

| Zhongfeng Wang | Abby Wang | China IC Design Innovation Conference and IC Application Expo (ICDIA 2022) | Design of High Energy-Efficiency End-Side Neural Network Training Accelerator | August 26, 2022 |
| Darshika G. Perera | Preet Yadav | 35th International conference on VLSI Design and 21st International conference on Embedded Systems (VLSID'2022) | Composing FPGA-Based Architectures and Techniques for Compute and Data-Intensive Applications on Embedded Platforms | 2nd March 2022 |

3.5. Other distinguished IEEE services
(For example, CAS BoG, Region/chapter leadership, TC chair/secretary)

Your Name	Organization	Position/Activities	Period
Tony T. Kim	IEEE CAS	VSA TC Chair	2022
Tony T. Kim	IEEE A-SSCC	Tutorial	2022
Tony T. Kim	IEEE CAS/SSCS Thailand Chapter	Invited Talk	2023
Tony T. Kim	Korea Institute for Advancement of Technology	Invited Talk	2022
Xinmiao Zhang	IEEE CASS	VP-Technical Activities	2023
Xinmiao Zhang	IEEE Comsoc	Data Storage TC Chair	2022
Robert Chen-Hao Chang	IEEE A-SSCC	TPC Member	2022
Robert Chen-Hao Chang	IEEE Taipei Section	BoG Member	2022
Linda DeBrunner	Asilomar Conference on Signals, Systems, and Computers (IEEE SP Technical Sponsor)	Steering Committee, Publicity Chair	2022-2023
Weiqiang Liu	IEEE Nanotechnology Council	Vice President-Elect for Technical Activities	2022-2023
Weiqiang Liu	IEEE Trans. VLSI Systems	Steering Committee Chair	2023-2024
Vishal Saxena	IEEE MWSCAS	Steering Committee Member	2013–
Shuenn-Yuh Lee	IEEE A-SSCC	Organizing Committee Chair	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 International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoC), 2022. (Sponsor: IEEE CS)	Program Co-Chair	2022
Kun-Chih Chen	IEEE MCSoC	Program Co-Chair	2023
Arindam Sanyal	IEEE RWW	TPC	2022-2023
Chip Hong Chang	IEEE Transaction on Circuits and Systems	Lead Guest Editor, Special Issue on Selected Papers from IEEE AsiaHOST 2022 – Emerging Hardware Security and Trust Technologies	2023
Chip Hong Chang	IEEE Transactions on Information Forensic and Security	Senior Area Editor	2020-2023
Jongsun Park	IEEE CAS	CASCOM TC Secretary	2023

Meng-Fan Chang	IEEE Taipei Section	Board of Governor	2021- present
Hanho Lee	IEEE CASS	Board of Governor (BoG)	2022-2023
Hanho Lee	IEEE CASS Seoul Chapter	Vice Chair	2022-2023
Darshika G. Perera	IEEE Student Branch at UCCS	Faculty Advisor	2014 - present
Darshika G. Perera	IEEE IT Professional Journal	Guest Editor for Special Issue - Next-Generation Artificial Intelligence	January 2022- present
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

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

Guest Editor: Tony T. Kim serve as a Corresponding Guest Editor for the IEEE Journal on Emerging and Selected Topics in Circuits and Systems (JETCAS) Special Issue on "Revolution of AI and Machine Learning with Processing-in-Memory (PIM): from Systems, Architectures, to Circuits".

Special Session Organizer: Chip Hong Chang and Yue Zheng organized a special session at AICAS 2022 entitled "Security and Privacy in Deployment of Deep Neural Networks". Six international experts in hardware security are invited as contributing authors to this special session, including Prof. Sandip Kundu from University of Massachuusetts Amherst, Prof. Ankur Srivastav from University of Maryland, Prof. Aydin Aysu from North Carolina State University, Prof. Stjepan Picek from Delft UUniversity of Technology, Prof. Chip Hong Chang from Nanyang Technological University and Prof. Weiqiang Liu from Nanjing University of Aeronautics and Astronautics.

Special Session Organizer: Tony T. Kim organized a special session at ISOCC 2022 titled "Low Power Accelerator Design Utilizing Neural Networks for IoT Applications".

Awards received by the TC/SIG or the TC/SIG members: Leonel Sousa received IEEE Computer Society Distinguished Contributor award in 2022.

5. New plans for the next year
As in the previous years, these activities will be pursued at the individual member level.
Some TC members will be involved in the organizing committee of ISCAS2024.