

**2024 Annual Report (June 2023 – May 2024)**  
**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 2023, an offline meeting was held. The detailed Information is given as follows.

2023 Meeting Date: May 23, 2023 (Offline)

30 members attended the meeting

## 2. Voting Members: (39 members)

First Name	Last Name	Affiliation	Email	IEEE Grade	IEEE Region
Tony T.	Kim	Nanyang Technological University	thkim@ntu.edu.sg	Senior	9
Anh Tuan	Do	Institute of Microelectronics, A*STAR, Singapore	doat@ime.a-star.edu.sg	Senior	9
Xunzhao	Yin	Zhejiang University	xzyin1@zju.edu.cn	Member	10
Weiwei	Shan	Southeast University	wwshan@seu.edu.cn	Senior	10
Ji-Hoon	Kim	Ewha Womans University	jihoonkim@ewha.ac.kr	Senior	10
Weiqiang	Liu	Nanjing University of Aeronautics and Astronautics	liuweiqiang@nuaa.edu.cn	Senior	10
Dimitrios	Soudris	National TEchnical Univ. of Athens	dsoudris@microlab.ntua.gr	Member	8
Chip Hong	Chang	Nanyang Technological University	echchang@ntu.edu.sg	Fellow	9
Tawfiq	Musah	The Ohio State University	musah.3@osu.edu	Senior	2
Xinmiao	Zhang	The Ohio State University	zhang.8952@osu.edu	Senior	2
Sachin	Taneja	Intel Corporation	sachin.taneja@u.nus.edu sachin.taneja@intel.com	Member	6
Yue	ZHENG	The Chinese University of Hong Kong, Shenzhen	zhengyue@cuhk.edu.cn	Member	10
Bruce, Chiu-Wing	Sham	The University of Auckland	b.sham@auckland.ac.nz	Senior	10
Kun-Chih	Chen	National Yang Ming Chiao Tung University	kcchen@nycu.edu.tw	Senior	10
Hao	Zhang	Ocean University of China	hao.zhang@ouc.edu.cn	Member	10
Islam	Riadul	University of Maryland, Baltimore County	riaduli@umbc.edu	Senior	2
Sunil	Khatri	Texas A&M University	sunilkhatri@tamu.edu	Senior	5
Hanho	Lee	Inha University	hhlee@inha.ac.kr	Senior Member	Region 10
Peeter	Ellervee	Tallinn University of Technology	p.ellervee@ieee.org	Member	8
Ke-Horng	Chen	National Yang Ming Chiao Tung University	khchen@cn.nctu.edu.tw	Fellow	10
Chuan	Zhang	Southeast University	chzhang@seu.edu.cn	Senior Member	R10
Joseph	Cavallaro	Rice University	cavallar@rice.edu	Fellow	5
Lan-Da	Van	National Yang Ming Chiao Tung University	ldvan@cs.nycu.edu.tw	Senior Member	10

Fakhrul Zaman	Rokhani	Universiti Putra Malaysia	fzr@upm.edu.my	Member	10
Baris	Taskin	Drexel University	taskin@coe.drexel.edu	Senior	2
Robert	Rieger	Kiel University	rri@tf.uni-kiel.de	Senior Member	8
Seokbum	Ko	University of Saskatchewan	seokbum.ko@usask.ca	Senior Member	7
Sousa	Leonel	INESC-ID, University of Lisbon	las@inesc-id.pt	Senior Member	8
Boris	Vaisband	McGill University	boris.vaisband@mcgill.ca	Senior Member	7
Arindam	Sanyal	Arizona State University	arindam.sanyal@asu.edu	Member	6
Shyh-Jye	Jou	National Yang Ming Chiao Tung University	jerryjou@nycu.edu.tw	Senior Member	10
Xiaojin	Zhao	Shenzhen University	eexjzhao@szu.edu.cn	Senior Member	10
Kwen-Siong	Chong	Zero-Error Systems Pte Ltd	kschong@ieee.org	Senior Member	10
Shuenn-Yuh	Lee	National Cheng Kung University	ieesyl@mail.ncku.edu.tw	Senior member	10
Tian Sheuan	Chang	National Yang Ming Chiao Tung University	tschang@nycu.edu.tw	Senior member	10
Meng-Fan(Marvin)	Chang	National Tsing Hua University, Hisnchu, Taiwan	mfchang@ee.nthu.edu.tw	Fellow	R11
Robert Chen-Hao	Chang	National Chung Hsing University	chchang@nchu.edu.tw	Senior Member	10
Jari	Nurmi	Tampere University	jari.nurmi@tuni.fi	Senior Member	8
Abdullah	Baz	Umm Al-Qura University	aobaz01@uqu.edu.sa	Senior Member	8

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

	2023
Total number of TCs	%
Regions 1 – 6 (U.S.A.)	32.5
Region 7 (Canada)	2.5
Region 8 (Europe/Africa, Middle East)	20
Region 9 (Central/South America)	2
Region 10 (Asia/Pacific)	43

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

	2023
Total number of TCs	%
Male	91
Female	9

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

	2022
Total number of TCs	%
Academia	91.2
Industry	8.8
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 2024	Track Chair, Session Chair
Do Anh Tuan	IEEE CAS	ISCAS 2024	Sponsorship/Workshop/Session Chair
Dimitrios Soudris	IEEE CAS	ISCAS 2024	RCM
Chip Hong Chang	IEEE CAS	ISCAS 2024	RCM, Session Chair
Tawfiq Musah	IEEE CAS	ISCAS2024	RCM
Xinmiao Zhang	IEEE CAS	ISCAS2024	RCM
Xinmiao Zhang	IEEE CAS	ISCAS2024	Cross-Society Special Session Chair
Sachin Taneja	IEEE CAS	ISCAS 2024	RCM
Yue Zheng	IEEE CAS	ISCAS 2024	RCM, Session Chair
Kun-Chih Chen	IEEE CAS	ISCAS 2024	RCM, Session Chair, Special Session Chair
Hao Zhang	IEEE CAS	ISCAS 2024	RCM, Session Chair
Xunzhao Yin	IEEE CAS	ISCAS 2024	RCM
Riadul Islam	IEEE CAS	ISCAS 2024	RCM
Ji-Hoon Kim	IEEE CAS	ISCAS 2024	RCM
Sunil Khatri	IEEE CAS	ISCAS 2024	RCM
Abdullah Baz	IEEE CAS	ISCAS 2024	RCM
Hanho Lee	IEEE CASS	2023 IEEE International Symposium on Integrated Circuits and Systems (ISICAS'2023)	General Chair
Peeter Ellervee	IEEE CAS	ISCAS 2024	RCM
Peeter Ellervee	IEEE CAS	NorCAS 2024	Steering Committee Member, TPC Chair
Ke-Horng Chen	IEEE CAS	ISCAS 2024	TPC Member
Chuan Zhang	IEEE CAS	ISCAS 2024	Track Chair, Session Chair
Joseph Cavallaro	IEEE CAS	ISCAS 2024	RCM
Joseph Cavallaro	IEEE CAS/SPS	SiPS 2024 - IEEE Signal Processing Workshop	General Co-Chair
Lan-Da Van	IEEE CAS	IEEE Nordic Circuits and Systems Conference (NORCAS), 2023	TPC Member
Fakhrul Zaman Rokhani	IEEE CAS	ISCAS 2024	RCM, Session Chair, Embedded Workshop Chair
Baris Taskin	IEEE CAS	ISCAS 2024	RCM
Seokbum Ko	IEEE CAS	ISCAS 2024	RCM
Leonel Sousa	IEEE CAS	ISCAS 2024	RCM
Boris Vaisband	IEEE CAS	ISCAS 2024	RCM, session chair
Arindam Sanyal	IEEE CAS	ISCAS 2023	RCM
Arindam Sanyal	IEEE CAS	MWSCAS 2023	Local arrangements co-chair
Abdullah Baz	IEEE CAS	MWSCAS 2023	Associate Editor
Shyh-Jye Jou	IEEE CAS	ISCAS 2024	RCM
Shyh-Jye Jou	IEEE CAS	IEEE 2023, 2024 VLSI TSA	Advisory Committee
Xiaojin Zhao	IEEE CAS	APCCAS 2024	Track Chair
Xiaojin Zhao	IEEE CAS	ISICAS 2023	Session Chair
Xiaojin Zhao	IEEE CAS	ISCAS 2024	RCM, Session Chair
Xiaojin Zhao	IEEE CAS	IEEE CASS Day Workshop in Shenzhen 2024	General Co-Chair
Kwen-Siong Chong	IEEE CAS	ISCAS 2024	Publication co-Chair, RCM, Session Chair
Shuenn-Yuh Lee	IEEE CAS	ISCAS 2024	RCM, Session chair
Shuenn-Yuh Lee	IEEE CAS	BioCAS 2023	International Liaisons, RCM
Shuenn-Yuh Lee	IEEE CAS	MWSCAS 2023	RCM
Tian Sheuan Chang	IEEE CAS	ISCAS 2024	RCM, Session chair

Robert Chang	Chen-Hao	IEEE CASS	ISCAS 2024	RCM
Robert Chang	Chen-Hao	IEEE CASS	AICAS 2023	Special Session Co-Chair
Jari Nurmi		IEEE CASS	ISCAS 2024	RCM
Jari Nurmi		IEEE CASS	NorCAS 2023	General Chair, Chairman of Board
Jari Nurmi		IEEE CASS	NorCAS 2024	General Chair, Chairman of Board
Jari Nurmi		IEEE CAS/SPS	SiPS 2024 IEEE Signal Processing Workshop	TPC Co-Chair
Kun-Chih Chen		IEEE CAS	NorCAS 2023	TPC member

(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	ISOC 2023	Special Session Chair
Ji-Hoon Kim	IEEE CAS	ISOC 2023	Poster Session & Tutorial Chairs
Xinmiao Zhang	IEEE CAS	MWSCAS 2023	Chair, Digital Integrated Circuits and Systems Track
Yue Zheng	IEEE CAS	MCSoc2023	Track Chair
Kun-Chih Chen	IEEE CAS	MCSoc 2023	TPC Chair
Kun-Chih Chen	IEEE CAS	SOCC 2023	TPC member
Kun-Chih Chen	IEEE CAS	MWSCAS 2023	TPC member
Kun-Chih Chen	IEEE CAS	ISOC 2023	Tutorial Chair
Abdullah Baz	IEEE CAS	MWSCAS 2023	Associate Editor
Riadul Islam	IEEE CAS	ICCAD 2023	TPC Member
Sunil Khatri	IEEE CAS	ICCAS 2024	TPC member
Hanho Lee	IEEE CASS	ISOC 2023	Special Session Co-chair
Peeter Ellervee	IEEE CAS	NoCArc 2023	TPC member
Lan-Da Van	IEEE CAS	International SoC Design Conference (ISOC), 2023.	Special Session Co-Chair
Baris Taskin	IEEE CAS	ICCAD 2024	Track Chair
Leonel Sousa	IEEE CAS	SBCCI	IEEE CASS VSA TC Liaison
Shuenn-Yuh Lee	IEEE CAS	APCCAS 2024	General Co-chairs
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
Jari Nurmi	IEEE CASS	FPL 2023	Steering 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
Tony T. Kim	IEEE CAS	IEEE Trans. On VLSI Systems	Associate Editor
Do Anh Tuan	IEEE CAS	IEEE Trans. On VLSI Systems	Associate Editor
Weiwei Shan	IEEE CAS	IEEE Trans. CAS II	Associate Editor
Ji-Hoon Kim	IEEE CAS	IEEE Trans. CAS II	Associate Editor
Weiqiang Liu	IEEE CAS	IEEE Trans. CAS I	Associate Editor
Chip Hong Chang	IEEE CAS	IEEE Trans. CAS I	Associate Editor
Chip Hong Chang	IEEE CAS	IEEE Trans. VLSI Systems	Associate Editor
Chip Hong Chang	IEEE CAS	IEEE JETCAS	Senior Editorial Board member

Tawfiq Musah	IEEE CAS	IEEE Trans. CAS II	Associate Editor
Xinmiao Zhang	IEEE CAS	IEEE Trans. CAS I	Associate Editor-in-Chief
Xinmiao Zhang	IEEE CAS	OJCAS	Associate Editor
Sachin Taneja	IEEE CAS	IEEE Trans. CAS II	Associate Editor
Chuan Zhang	IEEE CAS	TCAS-II	Associate Editor
Chuan Zhang	IEEE CAS	JETCAS	Senior Editorial Board Corresponding Guest Editor
Chuan Zhang	IEEE CAS	TMC	Steering Committee Member
Fakhrul Zaman Rokhani	IEEE CAS	IEEE Trans. CAS I	Senior Associate Editor
Robert Rieger	IEEE CAS, EMBS	IEEE Trans. Biomedical Circuits and Systems	Assoc. Editor-in-Chief for Digital Communications
Seokbum Ko	IEEE CAS	IEEE TVLSI; IEEE TCASII	Associate Editor
Xiaojin Zhao	IEEE CAS	IEEE TCAS-I	Guest Editor
Shuenn-Yuh Lee	IEEE CAS	IEEE TBioCAS	Associate Editor
Meng-Fan Chang	IEEE CAS	IEEE TCAS-I	Associate Editor
Meng-Fan Chang	IEEE CAS	IEEE TVLSI	Associate Editor
Meng-Fan Chang	IEEE	IEEE JSSC	Associate Editor
Jari Nurmi	IEEE CASS	IEEE TVLSI	Guest Editor
Jari Nurmi	IEEE Sensors Council	IEEE Sensors	Associate Editor
Jari Nurmi	IEEE Sensors Council	IEEE J-ISPIN	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	IEEE CASS Best TC/SIG Award	2023
Ke-Horng Chen	IEEE Fellow	2023
Chuan Zhang	Distinguished Lecturer	2022-2023
Meng-Fan Chang	Top-10 (#7) paper contributor of ISSCC (70 years/1954~2023),	2023

### 3.4. Keynote Speeches/Invited Talks:

Your Name	Invited by	Event/Conference Title	Talk Title	Date
Chip Hong Chang	AsianHOST 2023 OC	8th Asian Hardware Oriented Security and Trust Symposium (AsianHOST-2023)	Keynote: Security of Edge Deep Neural Networks	December 14, 2023
Chip Hong Chang	AISP 2023 OC	3rd IEEE conference on Artificial Intelligence and Signal Processing (AISP 2023)	Keynote: A Dual-key Multi-backdoor Watermarking for DNN IP Ownership Detection and Buyer Tracking	March 19, 2023
Chip Hong Chang	ICSPIC 2023 OC	6th International Conference on Signal Processing and Information Communications (ICSPIC 2023)	Keynote: Trustworthy Sensing for Internet of Video Things	February 26, 2023
Chip Hong Chang	IEEE/CEDA	IEEE/CEDA CAD for Assurance Panel Discussion	Hardware Security 2.0: What are the new frontiers?	February 24, 2023
Xinmiao Zhang	IEEE CAS Rio Grande do Sul Chapter	IEEE Circuits and Systems Rio Grande do Sul Chapter Talk	Error-correcting codes and cryptography: from theory to practice	Dec. 2023
Xinmiao Zhang	Delft University of Technology		Error-correcting codes and cryptography: from theory to practice	Dec. 2023

Xinmiao Zhang	Georgia Tech		Error-correcting codes and cryptography: from theory to practice	Nov.. 2023
Xinmiao Zhang	National Yang Ming Chiao Tung University		Error-correcting codes for hyper-speed data storage: from theory to practice	Jul. 2023
Kun-Chih Chen	IEEE NorCAS	IEEE Nordic Circuits and Systems Conference (NorCAS)	Network on Chip (NoC)-based Deep Neural Network Design Framework: From Algorithms to Architectures	October 30, 2023
Kun-Chih Chen	KJCAS+KTCAS workshop	Taiwan-Korea Taiwan-Japan Circuits and Systems (KJCAS+KTCAS) workshop	Intelligent CAS Designs for Anomaly Detection and Prediction in Smart Motor Systems	September 7, 2023
Kun-Chih Chen	VLSI TSA	International VLSI Symposium on Technology, Systems and Applications (VLSI TSA)	Network on Chip (NoC)-based Deep Neural Network Design Framework: From Algorithms to Architectures	April 22, 2024
Ke-Horng Chen	ASUS NTU Joint Research Center	The Green Energy Conversion and Application Forum	The Development tren of GaN Components in Industrial and Electric Vehicle Markets	June 5, 2023
Fakhrul Zaman Rokhani	Penang malaysia	International Symposium on the Physical and Failure Analysis of Integrated Circuits	Reliable and Energy-Efficient Network-on-Chip- Techniques and Design Methodologies	July 24, 2023
Fakhrul Zaman Rokhani	Bandung Institute of Technology	CASS day in Indonesia	AI's Role in Precision Ageing of Senior Citizens	Dec 18, 2023
Fakhrul Zaman Rokhani	Hainan China	ASSCC IT Vision in Asia	Synergistic Academia-Industry Research and Education in Malaysia's Semiconductor Landscape	Nov 5, 2023
Fakhrul Zaman Rokhani	Vietnam National University	CASS Day in Vietnam	Analysis, Modelling and Machine Learning-based Standard Cell Library Selection for Power-Performance-Area (PPA) in Early-Stage design	Nov 8, 2023
Fakhrul Zaman Rokhani	Dedan Kimathi University, Kenya	Seasonal School CAS on Wearable Technologies	Wearable Solutions for Improving Quality of Life (QoL) of Senior Adults	March 21, 2024
Baris Taskin	Temple University	College seminar	Inter-Chiplet Synchronization of Multi-Die VLSI Systems	February 2024
Seokbum Ko	U. of Saskatchewan	IEEE CASS goes to U. of Saskatchewan	AI computation research and its applications	Dec 1, 2023
Arindam Sanyal	Cirrus Logic	Cirrus Tech Talk	Enhancing performance of data converters using AI	July 2023
Xiaojin Zhao	ASSCC OC	IEEE Asian Conference on Solid-State Circuits (ASSCC) 2023	Trustworthy Sensing Based on Hardware Security Primitives	Nov. 8, 2023
Xiaojin Zhao	Yonsei University	Korea-China East Asia Visit 2024	CMOS Hardware Security Primitives and Their Trustworthy-Sensing-Oriented Applications	April 4, 2024
M.-F. Chang	SSDM	Keynote speech	Challenges in Boosting Semiconductor Industry XXX – From Technology to Talent Incubation	Sept. 06, 2023
M.-F. Chang	Symp. VLSI,	Panelist		June 13, 2023
M.-F. Chang	IEEE VTS	Keynote speech	Challenges in Advanced Semiconductor Industry: Technology, Design, Testing and Talents	April 23, 2024

### 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	2023
Tony T. Kim	IEEE ISOCC	Tutorial	2023
Weiwei Shan	IEEE CICC	Education session chair, Panel chair	2024
Weiqliang Liu	IEEE TVLSI	Steering Committee Chair	2023-2024

Dimitrios Soudris	DAC	Track Chair, Session Chair	2024
Chip Hong Chang	IEEE SPS TIFS	Senior Area Editor	2020-2024
Tawfiq Musah	IEEE	Undergraduate Student Chapter Co-advisor	2022-present
Xinmiao Zhang	IEEE CAS	VP-Technical Activities	2022-2023
Yue Zheng	IEEE	General Secretary of Circuits and Systems Society-Shenzhen Chapter	2024
Kun-Chih Chen	IEEE Taipei Section	Information Service Officer	since 2023
Ji-Hoon Kim	IEEE ISSCC	Session Co-Chair	2023-2024
Hanho Lee	IEEE CASS	Vice President – Technical Activities	2024-2025
Hanho Lee	IEEE CASS	Board of Governor (BoG)	2022-2023
Hanho Lee	IEEE CASS Seoul Chapter	Vice Chair	2022-2023
Ke-Horng Chen	IEEE Taipei Section	Director, Board of IEEE Taipei Section	2016-present
Ke-Horng Chen	IEEE ISSCC	TPC Member	2020-present
Ke-Horng Chen	IEEE ESSCIRC	TPC Member	2015-present
Ke-Horng Chen	IEEE Journal of Solid-State Circuits	Guest Editor	2023
Ke-Horng Chen	IEEE Journal of Emerging and Selected Topics in Power Electronics	Associate Editor	2020-present
Ke-Horng Chen	IEEE Transactions on Power Electronics	Associate Editor	2009-present
Chuan Zhang	CASCOM TC	TC Chair Elect	2022-2024
Joseph Cavallaro	IEEE CASS	Houston CASS Chapter Chair	2023-2024
Joseph Cavallaro	IEEE SPS	Transactions on Signal Processing - Senior Area Editor	2022-2024
Joseph Cavallaro	IEEE	Rice U. HKN and Undergraduate Student Branch Advisor	2023-2024
Joseph Cavallaro	IEEE	IEEE Try Engineering Summer Institute at Rice U. Co-Sponsor for high school students	2023-2024
Joseph Cavallaro	IEEE CASS	IEEE Council RFID BoG - CAS Society Representative	2020-2023
Joseph Cavallaro	IEEE SPS	Steering Committee Member, IEEE Asilomar Conference on Signals, Systems, and Computers	2023-2025
Joseph Cavallaro	IEEE COMSOC	2023 GLOBECOM TPC member	2023
Lan-Da Van	IEEE CAS	Representative to the IEEE Council on RFID	2024/01 ~ Present
Lan-Da Van	IEEE CAS	Chair-Elect/Secretary, VLSI Systems and Applications TC	2022/06 ~ 2024/05
Lan-Da Van	IEEE Transactions on Emerging Topics in Computing	Associate Editor	2022/01~Present
Lan-Da Van	ACM Computing Surveys	Associate Editor	2020/01~2024/04
Lan-Da Van	IEEE Internet of Things Journal	Associate Editor	2023/05~2024/01
Lan-Da Van	IEEE International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoc), 2023. (Sponsor: IEEE CS)	Conference Committee Co-Chair	2023/12/18~2023/12/21
Fakhrul Zaman Rokhani	IEEE CAS	Vice President - Education and Communications	2023-2024

Fakhrul Zaman Rokhani	IEEE CAS	Chair Institute for Global Education	2023-2024
Fakhrul Zaman Rokhani	IEEE CAS	Committee for IEEE Future Direction - Global Semiconductor	2023-Present
Baris Taskin	IEEE CEDA	Chair for IEEE Council on EDA Pennsylvania Chapter	2016-present
Xiaojin Zhao	IEEE CASS Shenzhen Chapter	Chair	2020.08-2023.12
Meng-Fan Chang	IEEE Taipei Section	Supervisors	2021- present
Meng-Fan Chang	SRC Committee	Governor Council, TAB/SAB for JUMP/JUMP2.0 (one of TSMC representatives)	2020~now
Meng-Fan Chang	IEEE Taipei Section	Board of Governors (BoG)	2015~2023
Meng-Fan Chang	ISSCC	Chair of Memory sub-committee	2021- present
Meng-Fan Chang	IEDM	TPC Cochair	2024
Meng-Fan Chang	VLSI-DAT	Co-Chair of Digital Track	2014- present
Robert Chen-Hao Chang	IEEE A-SSCC	TPC Member	2023
Jari Nurmi	IEEE Finland Section	Nomination committee chair	2023

#### 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

Tony T. Kim

- 1) IEEE CASS Best TC/SIG Award, 2023

Ke-Horng Chen:

- 1) IEEE ISSCC Takuo Sugano Award for Outstanding Far-East Paper, Dec. 2023.
- 2) Outstanding Reviewer of IEEE SSCS, Jan. 2024.
- 3) IEEE TPEL Outstanding Reviewer, Jan. 2024.
- 4) IEEE TPEL AE Excellence Award, Oct. 2023.
- 5) The Hsing Yun Award For Education, Venerable Master Hsing Yun Public Education Trust Fund, June 2023.
- 6) The Outstanding Research Award, Pan Wen Yuan Foundation, April 2024.

Chuan Zhang:

- 1) IEEE JETCAS 2025 Q2  
Generative AI Compute: Algorithms, Architectures, and Applications to CAS  
Corresponding Guest Editor

#### 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?

N/A