

2021 Annual Report (June 2020 – May 2021) [CASCOM] Technical Committee IEEE Circuits and Systems Society

Chairman: TC Chair: Hanho Lee; Chair-elect: Máire O'Neill;
Secretary: Chuan Zhang

1. Technical Committee Meeting(s):

(Please state the number of TC meetings in the past year, where held, TC meeting attendance rate, and was a quorum present.)

The CASCOM Technical Committee in the IEEE Circuits and Systems Society organizes one annual TC meetings, one in ISCAS2020, Virtual. We had 30 members in attendance and met quorum. The Committee Annual Meeting shall be held at ISCAS. Any CASS or IEEE member is allowed to attend this Annual Meeting as an observer; the Chair may invite other observers to attend and speak.

At the Annual Meeting,

- An agenda is circulated prior to the meeting
- The CASCOM TC Chair will present an annual report on membership, activities and progress on achieving the TC vision and mission
- TC members will vote to elect new members and new Officers, if any
- The members may discuss any other business relevant to the TC Charter
- The members may vote on Motions provided the required notice periods are met; a quorum is needed to resolve any motions at the meeting

2. Voting Members:

First Name	Last Name	Affiliation	Email	IEEE Grade	IEEE Region
Christoph	Studer	ETH Zürich	studer@ethz.ch	IEEE Senior Member	Region 8
Alexander	Korotkov	Peter the Great St. Petersburg Polytechnic University	korotkov@rphf.spbstu.ru	Senior member	Region 8
Joseph R.	Cavallaro	Rice University	cavallar@rice.edu	Fellow	Region 5
Dur E Shahwar	Kundi	Nanjing University of Aeronautics and Astronautics	durshi1@gmail.com	Member	Region 10
Jiafeng	Xie	Villanova University	jiafeng.xie@villanova.edu	Senior Member	Region 2
Shan	Cao	Shanghai University, China	cshan@shu.edu.cn	IEEE member	Region 10
Gerald	Sobelman	University of Minnesota	sobelman@ece.umn.edu	Life Senior Member	Region 4
Weisi	Lin	Nanyang Technological University	Wslin@ntu.edu.sg	Fellow	Region 10
Xiangyu	Meng	Sun Yat-sen University	Mengxy26@mail.sysu.edu.cn	Member	Region 10
Yingjie	Lao	Clemson University	ylao@clemson.edu	Member	Region 4
Xinmiao	Zhang	The Ohio State University	Zhang.8952@osu.edu	Senior member	Region 1-6
Weiqiang	Liu	Nanjing University of Aeronautics and Astronautics (NUAA), China	liuweiqiang@nuaa.edu.cn	Senior Member	Region 10
Chuan	Zhang	Southeast University	chzhang@seu.edu.cn	Senior Member	Region 10
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Khaldoun S. Abugarbi	eh	Princess Sumaya University for	k.abugarbieh@psut.edu.jo		Region 8

		Technology, Amman, Jordan		
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Run	Chen	South China University of Technology, China	runchen1234@icloud.com	Region 10
Yong	Chen	University of Macau	ychen@um.edu.mo	Region 10

Geographical distribution of TC members (percentage of total)

	2020
Total number of TCs	88 (100%)
Regions 1 – 6 (U.S.A.)	33 (37.5%)
Region 7 (Canada)	1 (1.14%)
Region 8 (Europe/Africa, Middle East)	14 (15.91%)
Region 9 (Central/South America)	1 (1.14%)
Region 10 (Asia/Pacific)	39 (44.32%)

Gender distribution of TC members (percentage of total)

	2020
Total number of TCs	88 (100%)
Male	78 (88.64%)
Female	10 (11.36%)

Distribution of TC members by affiliation (percentage of total)

	2020
Total number of TCs	88 (100%)
Academia	79 (89.77%)
Industry	9 (10.23%)
Government	0 (0%)

3. Accomplished Technical Activities

3.1. IEEE Conference/Event organizations

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

Your Name	Conference Sponsors	Conference/Event Title	Your Role
Jongsun Park	IEEE CAS	2021 AICAS	Live Demo Co-Chair
Jongsun Park	IEEE CAS	2020 AICAS	Review Committee Member
Jongsun Park	IEEE CAS	2021 ISCAS	Tutorial Chair
Jongsun Park	IEEE CAS	2020 ISCAS	Review Committee Member
Jongsun Park	IEEE CAS	2020 International SOC Design Conference	TPC Chair
Chuan Zhang	IEEE CAS	ISCAS 2021	LBN Co-Chair
Chuan Zhang	IEEE CAS	ISCAS 2021	Overview Lectures Co-Chair
Chuan Zhang	IEEE CAS	ISCAS 2021	RCM & Reviewer
Chuan Zhang	IEEE CAS	ISCAS 2021	Session Chair
Myunghoon Sunwoo	IEEE CAS	ISCAS2021	General Co-Chair
Hanho Lee	IEEE CAS	ISCAS2021	Technical Program Co-chair
Kyungki Kim	IEEE CAS	ISCAS2021	Technical Program Co-Chair
Yuan-Hao Huang	IEEE CAS	ISCAS 2021	RCM & Reviewer
Yuan-Hao Huang	IEEE CAS	2020 SiPS IEEE International Workshop on Signal Processing Systems in Coimbra, Portugal, 2020	Program Committee
Yuan-Hao Huang	IEEE CAS	2021 SiPS IEEE International Workshop on Signal Processing Systems in Coimbra, Portugal, 2021	Program Committee
Vyasa Sai	IEEE CAS	ISCAS 2021	RCM Session Chair

Joseph Cavallaro	IEEE CAS	IEEE Workshop on Signal Processing Systems, SiPS, 2020	General Co-Chair
Joseph Cavallaro	IEEE CAS	IEEE Workshop on Signal Processing Systems, SiPS, 2021	General Co-Chair
Joseph Cavallaro	IEEE CAS	IEEE ISCAS Circuits and Systems for Communications, 2021	Review Committee Member, Reviewer, Session Chair
Dur E Shawar Kundi	IEEE CAS	ISCAS 2021	Review Committee Member
Dur E Shawar Kundi	IEEE CAS	ISCAS 2021-CAS Journal Papers: Hardware Security Session	Session Chair
Dur E Shawar Kundi	IEEE CAS	ISCAS 2021-Hardware Security for Communications Session	Session Chair
Jiafeng Xie	IEEE CAS	ISCAS 2021	Review Committee
Han, Junghwan	IEEE CAS	IEEE International Symposium on Circuits and Systems (ISCAS) 2021	Publication Co-Chair
Han, Junghwan	IEEE CAS	IEEE International Symposium on Circuits and Systems (ISCAS) 2021	Session Chair
Han, Junghwan	IEEE CAS	IEEE International Symposium on Circuits and Systems (ISCAS) 2021	RCM, Reviewer
Chongyan Gu	IEEE CAS	ISCAS2021	RCM Member
Jae Ha Kung	IEEE CAS	ISCAS 2021	RCM, Reviewer, Local Co-Chair
Jae Ha Kung	IEEE CAS	AICAS 2021	RCM, Reviewer
Jae Ha Kung	IEEE CAS	ISOC 2020	Track Chair, Session Chair
Jienan CHEN	IEEE CAS	ISCAS 2021	RCM & Reviewer & Symposium Chair
Pei-Yun Tsai	IEEE CAS	ISCAS 2021	Review Committee Member Special Session Organizer Session Chair
S Cao	IEEE CAS	ISCAS 2021	Participated as RCM
Xiangyu Meng	IEEE CAS	ISCAS 2020	Review committee member Paper Reviewer Session Chair
Yingjie Lao	IEEE CAS	ISCAS 2021	Session Chair, RCM
Yingjie Lao	IEEE CAS	AICAS 2021	RCM
Yingjie Lao	IEEE CAS	ICCAD 2021	PC Member
Yingjie Lao	IEEE CAS	DAC 2021	PC Member
Yong Chen. Nick	IEEE CAS	ISCAS 2021	RCM, Reviewer, Track Chair
Yong Chen. Nick	IEEE CAS	NorCAS 2021	TPC, Reviewer
Yong Chen. Nick	IEEE CAS	APCCAS 2021	Advisory Committee
Yong Chen. Nick	IEEE CAS	NorCAS 2020	TPC, Reviewer
Yong Chen. Nick	IEEE CAS	APCCAS 2020	TPC, Reviewer, Track Chair
Youngjoo Lee	IEEE CAS	ISCAS 2021	OC/RCM/Reviewer/Session Chair
Youngjoo Lee	IEEE CAS	ISLPED 2020	TPC
Youngjoo Lee	IEEE CAS	A-SSCC 2020	TPC
Youngjoo Lee	IEEE CAS	ISOC 2020	OC/TPC
Hoyoung YOO	IEEE CAS	ISCAS 2021	Web/Social Media Co-Chairs RCM, Reviewer, Session chair
Hoyoung YOO	IEEE CAS	ISCAS 2021	RCM, Reviewer, Session chair
Hoyoung YOO	IEEE CAS	ISOC 2020	TPC, Reviewer, Session chair
S. Easwaran	IEEE CASS	MWSCAS (Aug 2020)	Track co-chair : Converter Circuits and Systems I/II/III MWCAS 2020
S. Easwaran	IEEE CASS	TCAS-II (April 2021)	Special Issue manuscript reviewer
S. Easwaran	IEEE CASS	ISCAS 2021 (May 2021)	RCM, Manuscript reviewer Track Chair: Cryptography & Hardware Security
Xinmiao Zhang	IEEE CAS	ISCAS 2021	RCM
W Liu	IEEE CASS	ISCAS 2021	RCM and Reviewer PC Member
W Liu	IEEE CASS	Design Automation and Test in Europe Conference (DATE 2021)	PC Member
W Liu	IEEE CAS	Asia and South Pacific Design Automation Conference (ASP-DAC 2021)	PC Member
W Liu	IEEE CASS	IEEE International Conference on Artificial Intelligence Circuits and Systems (AICAS 2021)	PC Member
Lan-Da Van	IEEE CAS	IEEE International Symposium on Circuits and Systems (ISCAS)	Special Session Co-Chair, 2021

Lan-Da Van	IEEE CAS	IEEE Asia Pacific Conference on Circuits and Systems (APCCAS)	TPC Co-Chair, 2020
Lan-Da Van	IEEE CAS	IEEE International System-on-Chip Conference (SOCC)	Tutorial Co-Chair, 2020
V Chen	IEEE CAS	MWSCAS 2020 ISCAS 2021	Session Chair RCM

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

Your Name	Conference Sponsors	Conference/Event Title	Your Role
Alexander Korotkov	IEEE CAS	International Symposium on Fundamentals of Electrical Engineering 2020	Technical Program Committee
Yingjie Lao	IEEE CAS	AsianHost 2021	PhD Forum Chair
Xinmiao Zhang	IEEE CAS	IFIP/IEEE International Conference on Very Large Scale Integration	Track chair
Lan-Da Van	IEEE CAS	IEEE International Symposium on Circuits and Systems (ISCAS)	VLSI Systems and Applications TC Member
Lan-Da Van	IEEE CAS	IEEE International Symposium on Circuits and Systems (ISCAS)	Circuits and Systems for Communications TC Member.
Lan-Da Van	IEEE CAS	IEEE International Symposium on Circuits and Systems (ISCAS)	Nanoelectronics and Gigascale Systems TC Member
Lan-Da Van	IEEE CAS	IEEE Circuits and Systems Society in Latin America (LASCAS)	TPC Member, 2021
Lan-Da Van	IEEE CAS	IEEE International Conference on Electronics, Circuits and Systems (ICECS)	TPC Member, 2020
Lan-Da Van	IEEE CAS	IEEE International Conference on Artificial Intelligence Circuits and Systems (AICAS)	Best Paper Selection Committee Member, 2020

Please don't report conference/events are NOT 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
Christoph Studer	IEEE CAS	IEEE Open Journal on Circuits and Systems (OJCAS)	Associate Editor
Chuan Zhang	IEEE CAS	IEEE Open Journal on Circuits and Systems (OJCAS)	Associate Editor
Chuan Zhang	IEEE CAS	IEEE Journal on Emerging and Selected Topics in Circuits and Systems (JETCAS)	Corresponding Guest Editor
Alexander Korotkov	IEEE CAS	IEEE Circuits and Systems Magazine	Associate Editor
Vyasa Sai	IEEE	IEEE Communications Magazine	Lead Series Editor
Vyasa Sai	IEEE	IEEE Communications Magazine	Associate Editor
Vyasa Sai	IEEE	IEEE Access	Associate Editor
Joseph Cavallaro	IEEE CAS	IEEE Journal on Emerging and Selected Topics in Circuits and Systems 2020, 2021	Senior Area Editor
Jongsun Park	IEEE CAS	IEEE Circuits and Systems (CAS) Magazine	Associate Editor
Jongsun Park	IEEE CAS	IEEE Open Journals on Circuits and Systems (OJCAS)	Associate Editor
Hanho Lee	IEEE CAS	IEEE Open Journals on Circuits and Systems (OJCAS)	Associate Editor in Chief
Joseph Cavallaro	IEEE CAS	Special Issue of TCAS-II on ISCAS 2021	Guest Co-Editor
Jiafeng Xie	IEEE CAS	IEEE Trans. Circuits and Systems-II: Express Briefs	Associate Editor
Jienan Chen	IEEE CAS	Transaction on Circuit and System	Reviewer
Yong Chen, Nick	IEEE CAS	IEEE Transaction on Very Large Scale Integration (TVLSI) Systems	Associate Editor
Xinmiao Zhang	IEEE CAS	OJCAS	Associate Editor
W Liu	IEEE CAS	IEEE Transactions on Circuits and Systems I: Regular Paper (2020.1-2021.12)	Associate Editor
W Liu	IEEE CAS	Proceedings of the IEEE (2019.11-2020.12)	Guest Editor
V Chen	IEEE CAS	IEEE Open Journal of Circuits and Systems	Associate Editor

Please don't report journals are NOT 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
Vyasa Sai	Sheth International Achievement award	2020
Vyasa Sai	40 under 40 Sacramento Business Journal award	2020
Chuan Zhang	IEEE CASS Student Design Competition World Winner (advisor)	2020
Chuan Zhang	IEEE CASS Doctoral Grant (advisor)	2020
Chuan Zhang	IEEE CASS Student Design Competition R10 Winner (advisor)	2021
Gerald Sobelman	Distinguished Lecturer	2020-2022
Weisi Lin	Highly Cited Researcher, Clarivate Analytics	Nov 2020
Yingjie Lao	NSF Faculty Early Career Development (CAREER) Award, National Science Foundation	2021
Yong Chen, Nick	Top five Associate Editors of IEEE Transaction on Very Large Scale Integration (TVLSI) Systems	2020
S. Easwaran	Industrial Distinguished Lecturer (iDLP) CASS	Since Dec 2020

3.4. Keynote Speeches/Invited Talks:

Your Name	Invited by	Event/Conference Title	Talk Title	Date
Joseph Cavallaro	Invited Talk	Texas A&M University Distinguished Speaker Seminar	Wireless Communication System Design for the Internet of Things: Algorithms, Architectures, and Testbeds	April 28, 2021
Chuan Zhang	Tutorial Talk	ISCAS 2021	Artificial Intelligence for 5G and Beyond 5G: Implementations, Algorithms, and Optimizations	May 27, 2021
Chongyan Gu	The London Office for Rapid Cybersecurity Advancement (LORCA), UK	Academic Masterclass	Security in Approximate Computing and Approximate Computing for Security: Challenges and Opportunities	May 2021
S Cao	University of Technology Sydney and Shanghai University	1 st UTS SHU virtual Global Forum on Machine Intelligence	Efficient Processing of Convolutional Neural Networks: Simulator, Accelerator and System	June 24, 2020
Gerald Sobelman	Victoria, Australia IEEE Chapter	IEEE CAS Society Distinguished Lecture	Machine Learning and Optimization for Communications and Deep Networks	September, 2020.
Gerald Sobelman	The Technion, Israel	IEEE CAS Society Distinguished Lecture	Machine Learning and Optimization for Communications and Deep Networks	January, 2021.
Weisi Lin	Workshop Organizers	IEEE ICME Workshop	Visual Perception and JND Modelling: Progress & Challenges	10 July 2020
Weisi Lin	Conf Organizers	4th International Conference on Image and Graphics Processing (ICIGP 2021)	From Video Coding to Visual Feature Coding: toward Collaborative Intelligence & Beyond	2 Jan 2021
Yingjie Lao	University of Minnesota	xxx	Causative Attacks And Countermeasures On Deep Neural Networks With Well-Crafted Data	10/1/2020
S. Easwaran	IEEE NewCAS tutorials selection committee	NewCAS 2020	Design Techniques for Reliable High Voltage Gate Drivers with Integrated Power Management for Automotive Applications	June 16, 2020
S. Easwaran	IEEE SOCC tutorials selection committee	IEEE SOCC 2020	Portable and Scalable High Voltage Circuits for Automotive Applications in BiCMOS Processes	Sep 8, 2020
S. Easwaran	IEEE CAS tutorials selection committee	ISCAS 2020	Design Techniques for Reliable High Voltage Gate Drivers with Integrated Power Management for Automotive Applications	Oct 18, 2020
S. Easwaran	Prof. Dr. Hoi Lee, Chair IEEE Dallas Chapter	iDLP CASS 2020	Fault Tolerant Smart Power Drivers with Biasing Schemes and Diagnostics for Smart Automotive Systems	Dec 16, 2020
S. Easwaran	Dr. Amit Jha, Chair IEEE Santa Clara Chapter	iDLP CASS 2021	Fault Tolerant Smart Power Drivers with Biasing Schemes and Diagnostics for Smart Automotive Systems	May 13, 2021
Xinmiao Zhang	Conference Chair	ISCAS 2020 overview lecture	VLSI Architectures for Reed-Solomon Codes:	Oct 2020

			Classic, Nested, Coupled, and Beyond	
Xinmiao Zhang		ISCAS 2021 overview lecture	Generalized and algorithmic logic locking	May 2021
W. Liu	Prof. Li Tao	15th IEEE Nanotechnology Materials and Devices Conference (NMDC 2020)	CMOS and Nano-Device based Approximate Computing for AI Hardware Acceleration	Oct. 2020

3.5. Other distinguished IEEE services

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

Your Name	Organization	Position/Activities	Period
Chuan Zhang	IEEE (ISCAS) (Circuits and Systems for Communications)	TC Member	2020, 2021
Chuan Zhang	IEEE (ISCAS) (VLSI Systems & Applications)	TC Member	2020, 2021
Chuan Zhang	IEEE (ISCAS) (Digital Signal Processing)	TC Member	2020, 2021
Chuan Zhang	IEEE (ICASSP) (Design and Implementation of Signal Processing Systems)	TC Member	2020, 2021
Chuan Zhang	IEEE Journal on Emerging Topics in Circuits and Systems (JETCAS)	Corresponding guest editor of special issue on "Artificial intelligence for 5G and Beyond 5G: Implementations, algorithms, and circuits"	2020
Chuan Zhang	IEEE Open Journals on Circuits and Systems (OJCAS)	Corresponding guest editor of special section on "Circuits, Systems, and Algorithms for Beyond 5G and towards 6G"	2020
Christoph Studer	IEEE ISCAS	TC Member	2020
Christoph Studer	IEEE ESSCIRC	TC Member	2020
Christoph Studer	Asilomar Conference on Signals, Systems, and Computers	Alternate Technical Chair	2020
Christoph Studer	IEEE Communications Letters	Associate Editor	2020
Christoph Studer	EUSIPCO	TC Member	2020
Christoph Studer	IEEE Access	Co-organizer of special section on "Beyond 5G Communications"	2020
Christoph Studer	IEEE Journal on Emerging Topics in Circuits and Systems (JETCAS)	Co-organizer of special issue on "Artificial intelligence for 5G and Beyond 5G: Implementations, algorithms, and circuits"	2020
Christoph Studer	IEEE TCAS-II	Associate editor of special issue on "ISCAS special issue"	2020
Alexander Korotkov	IEEE Russia North-West Section	Chair, CAS Chapter	2002 till now
Yuan-Hao Haung	IEEE (ISCAS) (Circuits and Systems for Communications)	TC Member	2020,2021
Yuan-Hao Haung	IEEE (ISCAS) (VLSI Systems & Applications)	TC Member	2020,2021
Yuan-Hao Haung	IEEE (ICASSP) (Design and Implementation of Signal Processing Systems)	TC Member	2020,2021
Joseph Cavallaro	IEEE Circuits and Systems Society, Houston, TX	Chapter Chair	2020, 2021
Joseph Cavallaro	IEEE USA R&D Technical Committee	IEEE CAS Society Representative	2020, 2021
Joseph Cavallaro	IEEE Council on RFID AdCom	IEEE CAS Society Representative	2020, 2021
Joseph Cavallaro	IEEE Student Chapter at Rice University	Student Branch Advisor	2020, 2021
Joseph Cavallaro	IEEE Eta Kappa Nu - Theta Rho Chapter at Rice University	Student Branch Advisor	2020, 2021
Joseph Cavallaro	Class of 2022 IEEE Computer Society Fellow Evaluation Committee	Member	2021

Joseph Cavallaro	IEEE Communications Society Signal Processing for Communications and Electronics Technical Committee (SPCE TC), and Cognitive Networks (TCCN)	Member	2020, 2021
Joseph Cavallaro	IEEE Signal Processing Society Applied Signal Processing Systems Technical Committee	Advisory Board Member	2020, 2021
Chongyan Gu	IEEE Nanotechnology Council (NTC)	IEEE International Conference on Nanotechnology - Video conference editor	2021
Chongyan Gu	GLSVLSI	Special session chair	2021
Pei-Yun Tsai	IEEE CASS Taipei Chapter	Vice-Chair	2021
Pei-Yun Tsai	IEEE Asian Solid-State Circuits Conference	TPC SoC Subcommittee Chair	2021-
Pei-Yun Tsai	ACM International Conference on Multimedia Retrieval 2021	Brave New Idea Track Chair	2021
Pei-Yun Tsai	IEEE Circuits and Systems Society Circuits and Systems for Communications Technical Committee (CASCOMTC)	Member	2019
Pei-Yun Tsai	IEEE Signal Processing Society Applied Signal Processing Systems Technical Committee (ASPSTC)	Member	2015-
Pei-Yun Tsai	IEEE Sips	TPC member	2020
Youngjoo Lee	IEEE CAS Dague Chapter	Secretary	2021~
Xinmiao Zhang	CASS	BoG	2019-2021
Xinmiao Zhang	IEEE Signal Processing Society	Member of Industry Technical Working Group	2020-2022
Xinmiao Zhang	IEEE Communications Society	Vice-Chair, Data Storage Technical Committee	2019-2020
W. Liu	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	Steering Committee Member	Jan. 2021-Dec. 2022
Lan-Da Van	ACM	Associate Editor, ACM Computing Surveys	2020-present
Lan-Da Van	IEEE	Associate Editor, IEEE Access	2018-present
Lan-Da Van	American Scientific Publishers	Associate Editor, Journal of Medical Imaging and Health Informatics	2017-present
Hanho Lee	IEEE CASS	BoG, CASCOM Track Chair	2020-present

5. TC Significant Technical Leadership and Innovations

Please list 5 (or less) most significant TC 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 or the TC members

Christoph Studer:

- Organized special issue in IEEE Journal on Emerging Topics in Circuits and Systems (JETCAS) on “Artificial intelligence for 5G and Beyond 5G: Implementations, algorithms, and circuits” in 2020.

Chuan Zhang:

- Organized special issue in IEEE Journal on Emerging Topics in Circuits and Systems (JETCAS) on “Artificial intelligence for 5G and Beyond 5G: Implementations, algorithms, and circuits” in 2020.
- Organized special section in IEEE Open Journals on Circuits and Systems (OJCAS) on “Circuits, Systems, and Algorithms for Beyond 5G and towards 6G” in 2020.

Cavallaro:

- Joseph Cavallaro, IEEE SPS, 54th IEEE Asilomar Conference on Signal, Systems, and Computers, Pacific Grove, CA, General Chair, 2020.
- IEEE SPS, IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP), ASPS Track, 2021, Review Committee Member.
- IEEE COMSOC, Signal Processing for Communications Symposium, IEEE Global Communications Conference (GLOBECOM), 2020, Program Committee.
- Journal of Signal Processing Systems (JSPS), 2020, 2021, Associate Editor.

Pei-Yun Tsai:

- Organized special session in ISCAS 2021:
Title : 5G and Beyond
Organizer: Pei-Yun Tsai,
5 submitted papers and 4 accepted papers

Weisi Lin:

- IEEE ICASSP 2021, Special Session on Signal Processing for Collaborative Intelligence
 - a. Organizers: Ivan Bajic (SFU), Weisi Lin (NTU), Yonghong Tian (PKU)
 - b. Time: June 6-11, 2021
- IEEE ICIP Tutorial on Saliency Detection of Visual Signals: From 2D to 3D and Beyond
 - c. Speakers: Yuming Fang (JUFE), Weisi Lin (NTU)
 - d. Time: 25 Oct 2020.

Xinmiao Zhang:

- Special Section on Edge AI and Accelerators, IEEE Open Journal of Circuits and Systems, 2020. Guest editors: Deepu John, Yongfu Li, and Xinmiao Zhang. Number of Submissions: 23. Number of papers published: 7.
- Special Section on the Design and Implementation of Signal Processing Systems, Springer Journal of Signal Processing Systems, 2020. Guest editors: Xinmiao Zhang, Zhongfeng Wang, and Christoph Studer. Number of Submissions: 4. Number of papers published: 4.

6. TC CHARTER:

- (1) How can your TC amend the TC name/scope/charter, if the ballots are collected at a TC meeting or by internet? What is the quorum for a valid ballot? What is the required % to pass the amendment?
 - ⇒ TC can amend the TC name/scope/charter by the ballot. The ballots are collected at a TC meeting or by internet.

Any charter amendment, including closing the CASCOM TC, can be considered at a meeting provided that the Chair and Vice-Chair/Chair-Elect have been notified at least one month prior to the Meeting. Approval by the Officers is not necessary, but notification is required. An approved amendment will take effect the day following the conclusion of the ISCAS meeting when it has been approved.

Motions to Amend the Charter and to Close (i.e. shut down) the TC have special conditions to be consistent with CASS and IEEE rules. The conditions for such ballots at a meeting and by internet ballot differ:

(i) Internet Ballot: voting by a minimum of one-half of the TC members is a valid ballot; a two-thirds majority is required to pass the Motion

(ii) Ballot at TC Meeting: a Special Quorum of Ceiling function of one-half of the TC members at the meeting is required; a two-thirds majority is required to pass the Motion.

(2) How can your TC select the TC Chair? Does the Chair-Elect is elected 1 year or 2 years earlier? Do you allow an out-of-sequence election for the Chair (if the Chair-Elect cannot assume the role of Chair)?

⇒ TC select the secretary by ballot. The ballots are collected by internet vote. The secretary become the Chair-Elect after 2 years service, and then Chair-elect become the Chair after two year. That is, Chair-Elect is elected 2 years earlier.

(3) Does the TC have a membership structure that specifies the number of years and terms that a member can serve?

⇒ No, CASCOTC does not have it.