

"Smart Technology for an Intelligent Society"

# ISCAS 2021



Daegu, Korea, May 23-26, 2021



## Important Dates



## Topics

The IEEE International Symposium on Circuits and Systems (ISCAS) is the flagship conference of the IEEE Circuits and Systems (CAS) Society and the world's premiere forum for researchers in the highly active fields of theory, design and implementation of circuits and systems. This is accomplished through technical conference sessions, poster sessions, live demonstration sessions, and publication of conference papers. ISCAS 2021 will be driven by the theme "Smart Technology for an Intelligent Society" aiming to emphasize the potential of the CAS Society to find.

To implement the above vision, this year's meeting will highlight the following innovation themes

by collecting contributions in all areas of Circuits and Systems, including but not limited

- Artificial Intelligent & Deep Learning
- Smart Systems for Automotive
- Personalized Healthcare Systems
- Brain: Innovation NeuroTechnologies
- Internet of Things
- Big Data Processing
- Intelligent Security Systems
- Cyber-Physical Systems
- Disaster Prevention and Mitigation
- Sustainable Computing and Systems
- Energy-aware Systems and Services
- After 5G and Multi-Gigabit Communications
- Analog and Mixed Signal Circuits and Systems
- Communications Circuits and Systems
- Sensory Circuits and Systems
- Nonlinear Systems and Circuit Theory
- Visual Signal Processing and Communications
- Education in Circuits and Systems
- Beyond CMOS: Nanoelectronics and Hybrid Systems Integration
- Digital Integrated Circuits and Systems
- Power and Energy Circuits and Systems
- Biomedical Circuits and Systems
- Neural Networks and Neuromorphic Engineering
- Digital Signal Processing
- Multimedia Systems and Applications

## Paper Submission

Selected papers will be invited for possible publication either in the IEEE Transaction on Circuits and Systems – Part I, in the IEEE Transaction on Circuits and Systems – Part II, or in the IEEE Transaction on Biomedical Circuits and Systems.

## About Daegu

Daegu is a city of living legacy and charm embracing 3,000 years of history. Nestled within wooded mountains and the Gumhogang river flowing around it, Daegu is an ideal place to convene and relax. The congress participants are assured of a warm welcome and a comfortable stay in Daegu, a city with many historic legacies registered as the World Heritage sites by UNESCO.



## Organizing Committee

### General Co-Chairs

Jinwook Burm Sogang University  
JinGyun Chung Jeonbuk Nat'l University  
Myung Hoon Sunwoo Ajou University

### Technical Program Co-Chairs

Hanho Lee Inha University  
KyungKi Kim Daegu University  
Takao Onoyo Osaka University  
Gabriel A. Rincón-Mora Georgia Institute of Technology

### Special Session Co-Chairs

Kyeong-Sik Min Kookmin University  
Elena Blokhina University College Dublin  
Ittetsu Taniguchi Osaka University  
Lan-Da Van Nat'l Chiao Tung University  
Qiang Li UESTC  
Ross M. Walker University of Utah  
Minkyu Je KAIST

### Tutorial Co-Chairs

Jongsun Park Korea University  
Massimo Alioto Nat'l University of Singapore  
Andy Wu Nat'l Taiwan University  
Samuel Tang (Kea-Tiong Tang) Nat'l Tsing Hua University  
Hiroo Sekiya Chiba University  
Timothy Constantinou Imperial College of London

### Demo Session Co-Chairs

Ji-Hoon Kim Ewha Womans University  
Tobi Delbruck ETH Zurich

### Plenary Session Co-Chairs

Deog-Kyoon Jeong Seoul Nat'l University  
Boris Murmann Stanford University  
Robert Chen-Hao Chang Nat'l Chung Hsing University  
Junjin Kong Samsung Electronics

### Publicity Co-Chairs

Hadi Heidari University of Glasgow  
Guoxing Wang Shanghai Jiao Tong University  
Yoshifumi Nishio Tokushima University  
Jose Silva-Martinez Texas A&M University  
Chulwoo Kim Korea University  
Suhwan Kim Seoul Nat'l University  
Seok-Bum Ko University of Saskatchewan

### Publication Co-Chairs

Chester Sungchung Park Konkuk University  
Jung-Hwan Han Chungnam Nat'l University

### Finance Co-Chairs

Yunsik Lee UNIST  
Kyubok Lee KETI  
Hyuk-Jae Lee Seoul Nat'l University  
Sung Weon Kang ETRI

### Industry & Exhibition Co-Chairs

Gwo-Giun (Chris) Lee Nat'l Cheng Kung University  
Rajiv Joshi IBM  
Jongsun Kim Hongik University  
Kuktae Hong LG Electronics Inc.  
Kwangjune Sohn SK Hynix Inc.

### Registration Co-Chairs

Kang-Yoon Lee SungKyunkwan University  
Youngjoo Lee POSTECH

### Local Co-Chairs

Jaeha Kung DGIST  
Byungin Moon Kyungpook Nat'l University  
Junrim Choi Kyungpook Nat'l University

### WiCAS/DIC Co-Chairs

Yoko Uwate Tokushima University  
Xinmiao Zhang Ohio State University  
SoYoung Kim SungKyunkwan University  
Soo Youn Kim Dongguk University

### YP Co-Chairs

Chan Ho Lee Soongsil University School  
Joo-Young Kim KAIST  
Wonyoung Lee Seoul Nat'l University of Science & Technology

### Web/Social Media Co-Chairs

Hyung-Min Lee Korea University  
Kuduck Kwon Kangwon Nat'l University  
Hoyoung You Chungnam Nat'l University  
Yue Liu ISEP

### Late Breaking News Co-Chairs

Jeonjin Roh Hanyang University  
Chuan Zhang Southeast University

### Industrial Board

Youn Huh Silicon Mitus  
John Yong-In Park Samsung Electronics  
Seung-Jong Choi LG Electronics  
Yoon-Jong Lee DB HiTek  
Kyoung Park SK Hynix Inc.

### International Advisory Co-Chairs

Amara Amara MINARC Laboratory  
Franco Maloberti University of Pavia  
Manuel Delgado-Restituto CSIC  
Sung-Mo Kang UC, Santa Cruz  
Andrei Vladimirescu ISEP  
Mohamad Sawan Westlake University  
Yong Lian Nat'l University of Singapore

### Treasurer

Youngmin Kim Hongik University

### Management Co-Chairs

Suk-Ju Kang Sogang University  
Seokhyeong Kang POSTECH