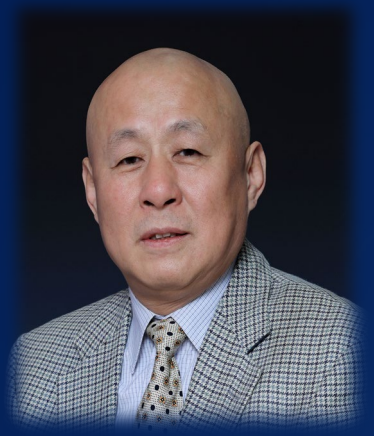
Top Contributors of A-SSCC 2005 - 2023

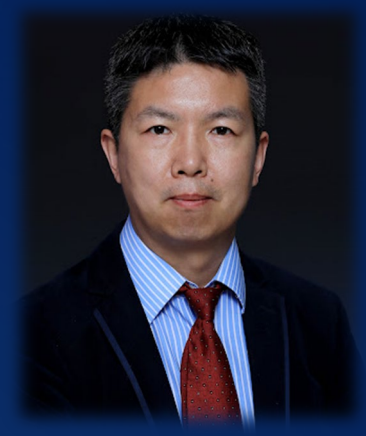


Zhihua Wang
Tsinghua Univ
China

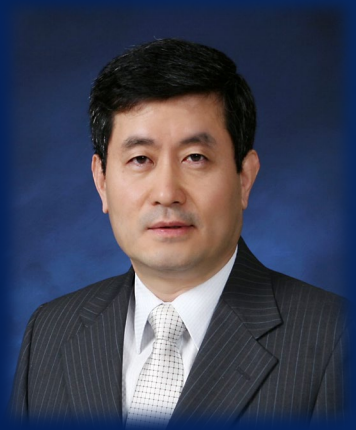
Hoi-Jun Yoo
KAIST
Korea

Minkyu Je
KAIST
Korea

Shen-Iuan Liu
Nat'l Taiwan Univ.
Taiwan



Baoyong Chi
Tsinghua Univ.
China

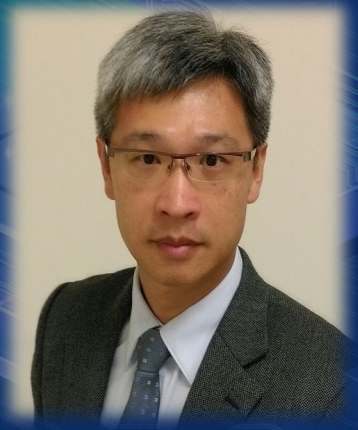


Deog-Kyoon Jeong
Seoul Nat'l Univ.
Korea

Akira Matsuzawa
Science Tokyo
Japan

Tsung-Hsien Lin
Nat'l Taiwan Univ.
Taiwan

Ke-Horng Chen
Nat'l Chiao Tung Univ.
Taiwan



Ying-Hsi Lin
Realtek Semi Co.
Taiwan

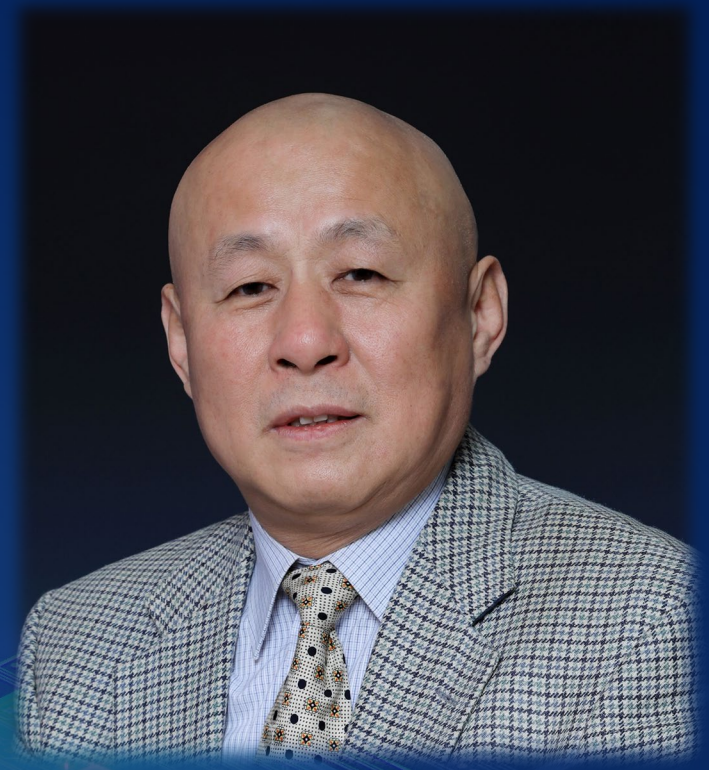
Kenichi Okada
Science Tokyo
Japan

Top Contributors of A-SSCC 2005 - 2023

Zhihua Wang

- Professor
- Tsinghua University, China
- Key papers and contribution to A-SSCC
  - High-performance RF circuits
  - Highlight papers
    - Low-Power GFSK demodulator [2007],
    - First 0.1-5GHz Flexible SDR transceiver [2013]
    - 19GHz Class-F VCO with the best FoM [2022]

  + 46 other papers in A-SSCC



Hoi-Jun Yoo

- Professor
- KAIST, Korea
- Key papers and contribution to A-SSCC
  - Machine learning processors
  - Highlight papers
    - 2.8GFLOPS floating point 3D graphics processor [2007]
    - Reconfigurable mobile augmented reality processor [2014]
    - Real-time Neural Rendering Accelerator [2023]

  + 45 other papers in A-SSCC

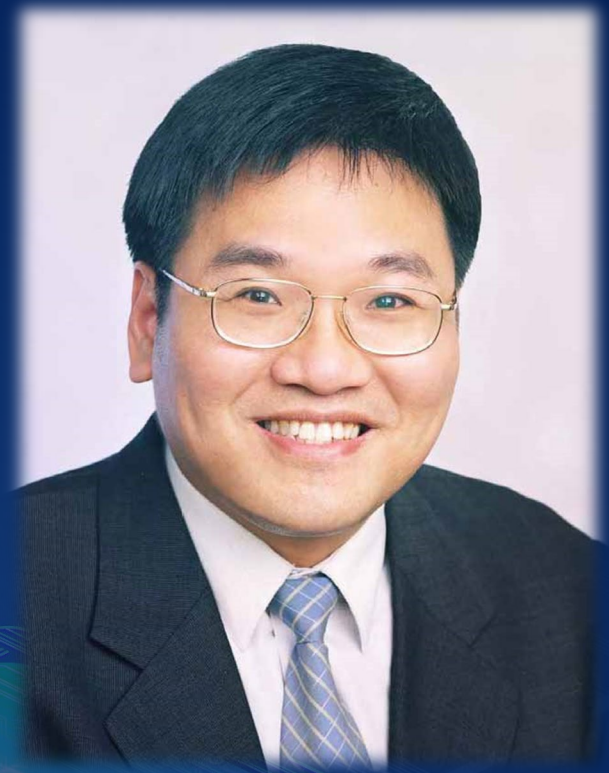
Minkyu Je

- Professor
- KAIST, Korea

- Key papers and contribution to A-SSCC
  - Low-power biomedical Circuits
  - Highlight papers
    - Wireless continuous-time health monitoring IC [2009]
    - Bionic neural link IC for nerve function restoration [2012]
    - Ultrasound Receiver for CMUT Parasitic Capacitance [2023]

  + 38 other papers in A-SSCC

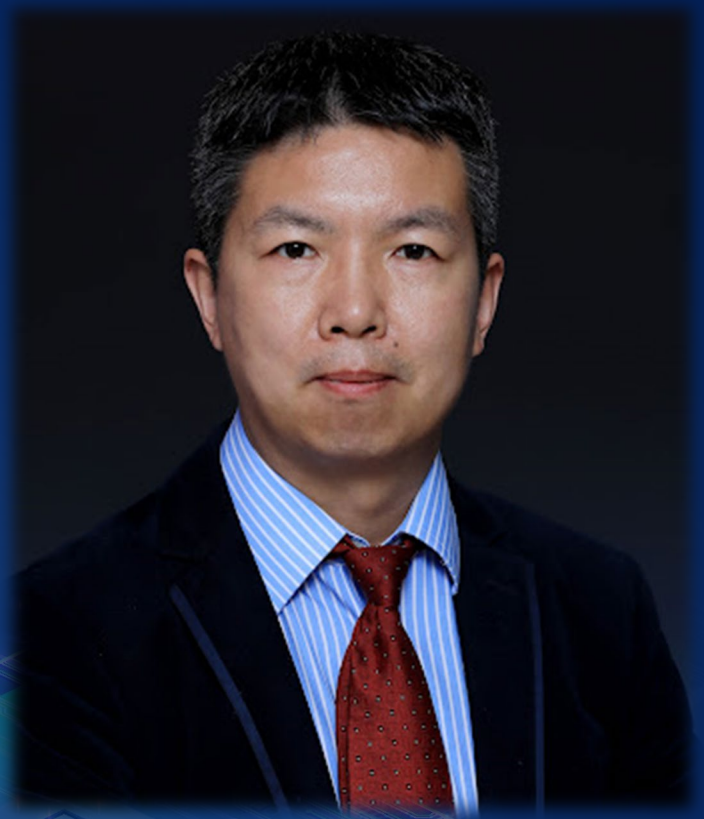
Shen-Iuan Liu



- Professor
- National Taiwan University, Taiwan
- Key papers and contribution to A-SSCC
  - High-speed analog and mixed-signal circuits
  - Highlight papers
    - 25GHz Differential Cascaded-Distributed Amplifier [2005]
    - 2×25 Gb/s CDR with background calibration [2014]
    - Low-noise and supply-robust sub-sampling PLL [2019]

  + 34 other papers in A-SSCC

Baoyong Chi



- Professor
- Tsinghua University, China
- Key papers and contribution to A-SSCC
  - High-performance RF circuits
  - Highlight papers
    - Quadrature Oscillator with Transformer[2005]
    - 47.6–71.0 GHz Resonant-mode VCO [2013]
    - A 27-to-31.6 GHz Phased-Array Transmitter [2023]
  - + 27 other papers in A-SSCC

Deok-Kyun Jeong

- Professor Emeritus
- Seoul National University, Korea
- Key papers and contribution to A-SSCC
  - High-performance analog and mixed-signal circuits
  - Highlight papers
    - 270-Mbps, Clock-Edge Modulated Serial Link for Mobile Displays [2007]
    - Optical receiver with digital CDR [2014]
    - 48-Gb/s PAM4 Memory Bridge [2023]

  + 26 other papers in A-SSCC

Akira Matsuzawa

- Professor Emeritus
- Institute of Science Tokyo, Japan
  (formerly Tokyo Institute of Technology)
- Key papers and contribution to A-SSCC
  - High-performance analog and RF circuits
  - Highlight papers
    - Self-calibrating SAR ADC [2007]
    - Pipelined ADC using time-domain dynamic amplifier [2016]
    - DDFS MMIC with modulations [2017]

  + 25 other papers in A-SSCC

Tsung-Hsien Lin

- Professor
- National Taiwan University, Taiwan
- Key papers and contribution to A-SSCC
  - High-performance analog and mixed-signal circuits
  - Highlight papers
    - A 10-GHz CMOS PLL with an Agile VCO Calibration [2005]
    - Wideband CMOS hall sensor [2016]
    - Cascaded-VCO-Controlled Buck Converter [2022]

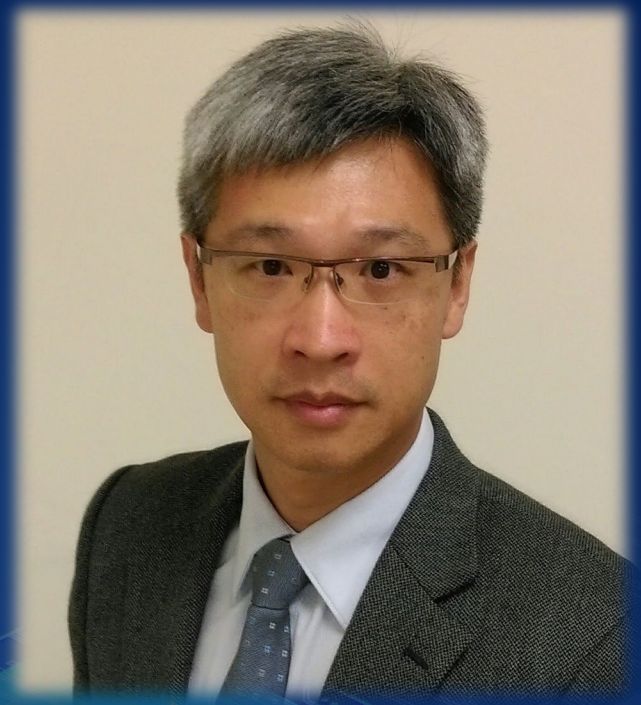
  + 24 other papers in A-SSCC

Ke-Horng Chen

- Professor
- National Chiao Tung University, Taiwan
- Key papers and contribution to A-SSCC
  - Efficient power management circuits
  - Highlight papers
    - DC-DC converter with limiting cycle avoidance [2007]
    - 200nA quiescent Buck converter for implantable medical device [2015]
    - Triple output DC-DC for IoT [2022]

  + 23 other papers in A-SSCC

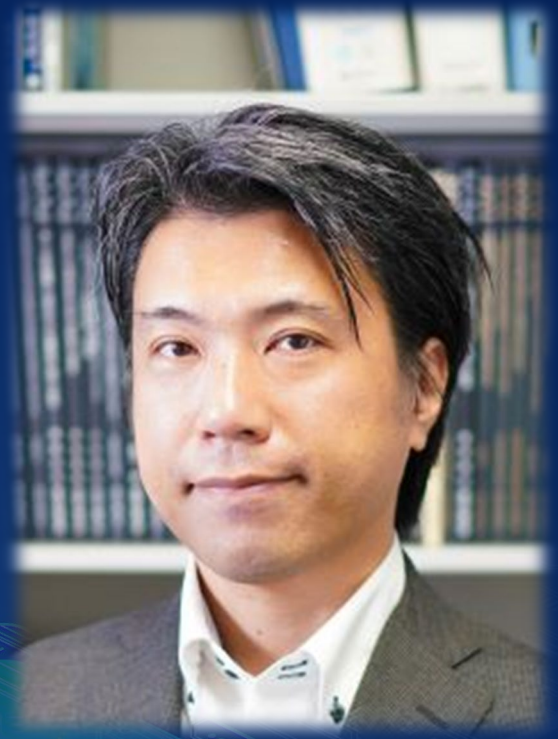
Ying-Hsi Lin



- Director of R&D Center
- Realtek Semiconductor Corporation, Taiwan
- Key papers and contribution to A-SSCC
  - Efficient power management circuits
  - Highlight papers
    - A DVS embedded PMIC for UWB [2009]
    - 93% Efficiency & 0.99 power factor LED driver [2016]
    - Single-inductor Triple output Buck Converter [2022]

  + 20 other papers in A-SSCC

Kenichi Okada



- Professor
- Institute of Science Tokyo, Japan
  (formerly Tokyo Institute of Technology)
- Key papers and contribution to A-SSCC
  - High-performance RF & mm-wave circuits
  - Highlight papers
    - Wide Range CMOS LC-VCO Using Variable Inductor [2005]
    - 60-GHz Reconfigurable Wake-Up Receiver [2014]
    - 37-39GHz Calibration for Phased-Array Beamforming [2022]

  + 20 other papers in A-SSCC