

VSA-TC Report

IEEE Services for year 2013-14

2013-14

1. Organizers: Conferences, Workshops, Panels, Special Sessions, Tutorials, etc.

4th Workshop PARMA

Dimitrios Soudris: General Co-Chair

29th Annual ACM Symposium on Applied Computing, March 24 - 28

Vasily Moshnyaga: TPC Member

IEEE BioCAS

Bin-Da Liu: Review Committee Member

Robert Rieger: Review Committee Member

Shuenn-Yuh Lee: TC

IEEE CASS

Massimo Alioto: Lecturer Program coordinating committee

Young Hwan Kim: Board of directors, Seoul Chapter

IEEE FTFC Conference14

Alexander Fish: Technical Program Chair

Malgorzata Chrzanowska-Jeske: TC

IEEE Jour. Of Display Technology

Young Hwan Kim: Journal review

IEEE SMC13

Vasily Moshnyaga: TPC member

IEEE TCAS-1

Ik Joon Chang: Journal review

IEEE TCAS-2

Ik Joon Chang: Journal review

IEEE Trans. On Circuits and Systems for Video Technology

Young Hwan Kim: Journal review

IEEE Trans. On VLSI Systems13

Massimo Alioto: Member of the committee to assign Best Paper Award

GLVLSI

Tong Zhang: General Co-Chair

ISSCC

Peter Nilsson: TPC

AINA13

El-Moursy, Magdy: Technical Program Committee

ASSCC13

Hsie-Chia Chang: Technical Program Committee member

Robert Chen-Hao Chang: Technical Committee member

Tony Tae-Hyoung Kim: Technical Program Committee

ASICON13

Bin-Da Liu: TPC member

Yun Chen: Cochair, TPC

ASQED13

Tony Tae-Hyoung Kim: Technical Program Committee

Young Hwan Kim: Program Committee member and reviewer

BodyNets13

John Lach: TPC

EAMTA13

Bin-Da Liu: Program Committee

EMC13

Lan-Da Van: PC Member

ICASSP13

Tong Zhang

Yuan-Hao Huang

Zhang, Zhengya: Review Committee

ICCE13

Yeong-Kang Lai: Technical Committee Member, Co-chair

ICECS13

Maged Ghoneima: Technical Committee

Massimo Alioto: Technical Program Chair

ICME13

Myung Hoon Sunwoo: Publicity Chair

ICSEC13

Chantana Chantrapornchai: TPC

IDT13

El-Moursy, Magdy: Session chair

IFEEC13

Ke-Horng Chen: Technical Program Co-Chair

ISCAS13

Alexander Fish : RCM Member, Session Chair

Bin-Da Liu: Program Committee

Jari Nurmi: RCM

Jinsang Kim: Track chair

Lan-Da Van: TC Member

Maged Ghoneima: TC

Malgorzata Chrzanowska-Jeske: RCM,TC

Robert Rieger: Section Chair

Shuenn-Yuh Lee: TC

Tony Tae-Hyoung Kim: Technical Program Committee

Wu, An-Yeu (Andy): Track Co-Chair (VLSI Systems & Architectures),
Session Chair

Yeong-Kang Lai: TC

Yun Chen: TC

Yuan-Hao Huang: TC member

ISED13

El-Moursy, Magdy: Technical Program Committee

ISOCC13

Chua-Chin Wang: Session Chair

Jinsang Kim: Chair

Tony Tae-Hyoung Kim: Technical Program Committee

Tso-Bing Juang: Session chair

Young Hwan Kim: Past General Chair

ISQED13

Chip Hong Chang: Committee member and reviewer

MES13

Jari Nurmi: TPC member

Peter Nilsson: TPC member

PacRim13

El-Moursy, Magdy: Technical Program Committee

PATMOS13

Vasily Moshnyaga: TPC Member

PEDS13

Ke-Horng Chen: Tack Chair

PRIME13

Gaetano Palumbo: Technical Program Committee

SiPS13

Chaitali Chakrabarti: Program Committee

Tong Zhang: TPC

Wu, An-Yeu (Andy): General Co-Chair

Xinmiao Zhang: TPC

Yuan-Hao Huang: Publication Chair

Zhang, Zhengya: Technical Program Committee

SOC13

Jari Nurmi: General chair

Peter Nilsson: TPC

Wu, An-Yeu (Andy): Steering committee member

ISCAS14

Chip Hong Chang: Review Committee Member

Yuan-Hao Huang: TC member, Reviewer

Ik Joon Chang: RCM and reviewer

Liang Liu: VSA track

Robert Chen-Hao Chang: RCM

Shuenn-Yuh Lee: TC

Wu, An-Yeu (Andy): Track Co-Chair (VLSI Systems & Architectures)

Xinmiao Zhang: RCM

Yeong-Kang Lai: TC member

Young Hwan Kim: RCM and reviewer

Yun Chen: TPC

VLSI-DAT13

Jou Shyh-Jye: Advisory Committee Member

VTC13

Liang Liu: Session Chair for "MIMO Detection"

APCCAS14

Ke-Horng Chen: Technical Program Co-Chair

Wu, An-Yeu (Andy): Technical Program Co-Chair

ASP-DAC14

Kwen-Siong Chong: Publication Chair

ASSCC14

Tony Tae-Hyoung Kim: Technical Program Committee

EPFL14

Alexander Fish: General Co-chair

GIBSE14

Vasily Moshnyaga: TPC Member

EDSSC14

Morris (Ming-Dou) Ker: TPC member

ICC14

Liang Liu: TPC

Xinmiao Zhang: TPC

Yun Chen: TPC

ICCE14

Yeong-Kang Lai: Technical Program Chair, Co-chair,
Technical Committee Member

IRPS14

Morris (Ming-Dou) Ker: TPC member,
Sub-committee Co-Chair,
Session Co-Chair

ISIC14

Chip Hong Chang: General Chair

ISIP14

Chantana Chantrapornchai: TPC

ISOCC14

Tony Tae-Hyoung Kim: Technical Program Co-Chair

Wu, An-Yeu (Andy): Technical Program Co-Chair

ISBB14

Shuenn-Yuh Lee: Technical Program Chair, Technical Committee

JCSSE14

Chantana Chantrapornchai: TPC

KST 14

Chantana Chantrapornchai: TPC

SAMOS14

Dimitrios Soudris: Track Chair

SOCC14

Liang Liu: Organizing Committee Member

VLSID14

Tony Tae-Hyoung Kim: Technical Program Committee

VLSI-DAT14

Jou Shyh-Jye: Advisory Committee Member

VLSI-SOC14

Eby G. Friedman

Lan-Da Van: Track Co-chair

Massimo Alioto: Track Chair

Lan-Da Van: Track Co-chair

2. Invited talks: plenary sessions, keynotes, invited lectures, tutorials, ...

IEEE CASS13

Robert Chen-Hao Chang: Invited Speaker

BioCAS13

Shuenn-Yuh Lee: Tutorial Lecturer

ISCAS14

Massimo Alioto: Tutorial

ISNE13

Chua-Chin Wang: Keynote Speaker

MWSCAS14

Morris (Ming-Dou) Ker: Tutorial lecturer

PATMOS14

Massimo Alioto: Keynote Speaker

VARI14

Massimo Alioto: Keynote Speaker

VCVP14

Wu, An-Yeu (Andy): Invited lecturer

WEEE14

Eby G. Friedman: Keynote Presentation

Chiba University

Myung Hoon Sunwoo: Invited talk

Intel Labs Research Seminar

Zhang, Zhengya: Invited talk

ITRI

Robert Rieger: Lecturer

National Cheng Kung University

Myung Hoon Sunwoo: Invited talk

3. Editorial services

Analog Integrated Circuits and Signal Processing

Ke-Horng Chen: Member of Editorial Board

Malgorzata Chrzanowska-Jeske: Guest Editor

ACM Transactions on Design Automation of Electronic Systems (DAES)

Jari Nurmi: Reviewer

Massimo Alioto: Associate Editor

DSP

Jari Nurmi: Reviewer

Eurasip JASP

Jari Nurmi: Reviewer

IEEE Access Journal

Alexander Fish: Associate Editor

Chip Hong Chang: Associate Editor

IEEE Journal of Emerging and Selected Topics in Circuits and Systems (JETCAS)

Chaitali Chakrabarti: Member of Editorial Board

Eby G. Friedman: Associate Editor

Malgorzata Chrzanowska-Jeske: Senior Editor

IEEE Sensors Journal

Alexander Fish: Associate Editor

IEEE Transactions on Biomedical Circuits & Systems (TBCAS)

Robert Rieger: Associate Editor

IEEE Transactions on Circuits and Systems I

Bin-Da Liu: Associate Editor

Hsie-Chia Chang: Associate Editor

Massimo Alioto: Associate Editor

Xinmiao Zhang: Associate Editor

Zhengya Zhang: Associate Editor

IEEE Transactions on Circuits and Systems II

Bin-Da Liu: Associate Editor

Ke-Horng Chen: Associate Editor

Khurram Waheed: Editorial Member

Oscar Gustafsson: Editorial Member

Robert Rieger: Guest Editor

Tong Zhang: Editorial Member

Zhengya Zhang: Associate Editor

IEEE Transactions on Consumer Electronics

Yeong-Kang Lai: Associate Editor

IEEE Transactions on Device and Materials Reliability

Morris (Ming-Dou) Ker: Editor

IEEE Transactions on Power Electronics

Ke-Horng Chen: Associate Editor

IEEE Transactions on Very Large Scale Integration (VLSI) Systems

Chaitali Chakrabarti: Associate Editor

Chip Hong Chang: Associate Editor

Maged Ghoneima: Associate Editor

Massimo Alioto: Associate Editor-in-Chief, Associate Editor

Robert Chen-Hao Chang: Associate Editor

IEICE Transactions on Electronics

Chua-Chin Wang: Associate Editor

IET CDS

Jari Nurmi: Reviewer

Integration, the VLSI Journal

Alexander Fish: Associate Editor

Chip Hong Chang: Associate Editor

Massimo Alioto: Associate Editor

Oscar Gustafsson: Editorial Member

International Journal of Circuits and Architecture Design

Magdy El-Moursy: Member of Editorial Board

International Journal of Electrical Engineering

Jou Shyh-Jye: Editor

**International Journal on Embedded and Real-Time Communication Systems
(IJERTCS)**

Jari Nurmi: Associate Editor

Journal of Circuits, Systems, and Computers

Dimitrios Soudris: Associate Editor
Eby G. Friedman: US Regional Editor
Massimo Alioto: Associate Editor
Magdy El-Moursy: Member of Editorial Board

Journal of Circuits, Systems and Signal Processing

Bin-Da Liu: Associate Editor
Yeong-Kang Lai: Associate Editor

Journal of Electrical and Computer Engineering

Bin-Da Liu: Associate Editor
Chip Hong Chang: Member of Editorial Board

Journal of Low Power Electronics

Dimitrios Soudris: Editorial Board
Eby G. Friedman: Associate Editor
Massimo Alito: Associate Editor

Journal of Low Power Electronics and Applications

Alexander Fish: Editor-in-Chief
Eby G. Friedman: Associate Editor
Massimo Alito: Associate Editor

Journal of Medical and Biological Engineering, Special Issue on Intelligent Body Sensor Network Electronics for Healthy Living

Shuenn-Yuh Lee: Guest Editor

Journal of Signal Processing Systems (JSPS)

An-Yeu (Andy) Wu: Associate Editor
Chaitali Chakrabarti: Associate Editor
Chua-Chine Wang: Associate Editor

JSA

Jari Nurmi: Reviewer

Microelectronics Journal

Alexander Fish: Associate Editor
Eby G. Friedman: Editor-in-Chief, Associate Editor
Massimo Alioto: Associate Editor

Microprocessors and Microsystems (MICPRO)

Jari Nurmi: Guest Editor, Reviewer

Special Issue on Biomedical and Bioelectronic Circuits for Enhanced Diagnosis and Therapy

Robert Rieger: Guest Editor

SUPE

Jari Nurmi: Reviewer

TECS

Jari Nurmi: Reviewer

The Open Electrical and Electronic Engineering Journal (OEEE)

Chip Hong Chang: Editorial Advisory Board Member

Jari Nurmi: Reviewer

VLSI Design Journal

Yeong-Kang Lai: Lead Guest Editor

4. Other Professional Activities

2010 VLSI-DAT

Ke-Horng Chen: Tutorial Section Chair

2014 IEEE International Conference on Communication and Network Technologies, India

Seokbum Ko: TPC member

2015 Symposium on Engineering, Medicine and Biology Applications (SEMBA)

Chua-Chin Wang: General Chair

APCCAS

Ke-Horng Chen: Tutorial chair (2012)

Biomedical and Life Science Circuits and Systems

Robert Rieger: Member of the IEEE Technical Committee

Bluetooth SIG

Khurram Waheed: Active Member

Circuits, Systems and Signal Processing

Yun Chen: Reviewer

Computers & Electrical Engineering

Young Hwan Kim: Reviewer

Consortium for Smart Energy Profile (CSEP)

Khurram Waheed: Active Member

Design and Implementation of Signal Processing Systems (DISPS-TC), IEEE Signal Processing Society

An-Yeu (Andy) Wu: TC Member (2004-now)

Ekin Labs Ltd.

Jari Nurmi: Board Member

ETRI Journal

Young Hwan Kim: Reviewer

G3-PLC alliance

Khurram Waheed: Active Member

ICC 2014

Liang Liu: Reviewer

ICCV 2013

Liang Liu: Reviewer

ICSEC 2013

Chantana Chantrapornchai: Steering Committee

IEEE 802.15 Workgroup for WPAN

Khurram Waheed: Active Voting Member

IEEE CASS

Gaetano Palumbo: BOG Member (up to Dec. 2013)

Jinsang Kim: Finance chair of Seoul Chapter

Malgorzata Chrzanowska-Jeske: BOG Member (2013, Representing Regions 1-7)

IEEE CASS Outreach Initiative Program 2013 (Summer School) in Singapore

Kwen-Siong Chong: Co-organizer

IEEE Circuits and Systems Society

Alexander Fish: Bio-medical Circuits and Systems Technical Committee member, Sensory Systems Technical Committee member

Kwen-Siong Chong: Vice-chair for the Singapore Chapter

IEEE ESSCIRC

Ke-Horng Chen: technical committee member (2014)

IEEE Finland Section

Jari Nurmi: Chairman of Nominating Committee (2013)

IEEE Journal of Solid State Circuits

Liang Liu: Reviewer

IEEE International Conference on Advanced Information Networking and Applications

Magdy El-Moursy: Technical Reviewer

IEEE International Conference on Connected Vehicles and Expo, (ICCVE 2013)

Liang Liu: Member of Technical Committee

IEEE International Conference on Electronics Circuits and Systems (ICECS)

Ke-Horng Chen: Section Chair (since 2008)

IEEE International Conference on Electronics Circuits and Systems (ICECS) 2013

Malgorzata Chrzanowska-Jeske: Steering Committee Member

Tso-Bing Juang: Reviewer

IEEE Latin America Conference on Circuit and System

Malgorzata Chrzanowska-Jeske: Steering Committee Member

IEEE MWSCAS

Khurram Waheed: Steering Committee Member

IEEE Nano-Technology Council - Advisory Board Council – CASS

Malgorzata Chrzanowska-Jeske: Representative (2013 – 2014)

IEEE Pacific Rim Conference on Communications, Computers, and Signal Processing

Magdy El-Moursy: Technical Reviewer

IEEE Signal Process. Lett.

Liang Liu: Reviewer

IEEE Society Circuits and Systems

Myung Hoon Sunwoo: Re-elected Board of Governors, 2014 - 2016

IEEE Sweden Solid-State Circuits/Circuits & Systems Joint Chapter

Liang Liu: Board Member

IEEE Taipei Section

Morris (Ming-Dou) Ker: Board of Director

IEEE Technical Committee CAS Education and Outreach (CASEO)

Robert Rieger: Member

IEEE Transactions on Bio. Circuits Syst.

Liang Liu: Reviewer

IEEE Transactions on Circuits and Systems I

Liang Liu: Reviewer

Magdy El-Moursy: Technical Reviewer

Tony Tae-Hyoung Kim: Reviewer

Tso-Bing Juang: Reviewer

Yuan-Hao Huang: Reviewer

IEEE Transactions on Circuits and Systems II

Lan-Da Van: Reviewer
Liang Liu: Reviewer
Tony Tae-Hyoung Kim: Reviewer
Tso-Bing Juang: Reviewer
Yuan-Hao Huang: Reviewer
Yun Chen: Reviewer

IEEE Transactions on Commun.

Liang Liu: Reviewer

IEEE Transactions on Parallel and Distributed Systems

Lan-Da Van: Reviewer

IEEE Transactions on Signal Process.

Liang Liu: Reviewer

IEEE Transactions on Signal Processing Systems

Yuan-Hao Huang: Reviewer

IEEE Transactions On Very Large Scale Integration (VLSI) Systems

Lan-Da Van: Reviewer
Liang Liu: Reviewer
Magdy El-Moursy: Technical Reviewer
Tony Tae-Hyoung Kim: Reviewer
Tso-Bing Juang: Reviewer
Yuan-Hao Huang: Reviewer
Yun Chen: Reviewer

IEEE Transactions on Wireless Commun.

Liang Liu: Reviewer

IEEK

Young Hwan Kim: Councilor (Elected)

IEEE VLSI Transactions Best Paper Award Committee

Eby G. Friedman: Member

IEEK Semiconductor Society

Jinsang Kim: Vice-chair

Young Hwan Kim: Director

IEICE Transactions on Communications

Yun Chen: Reviewer

IEICE Transactions on Electronics

Yun Chen: Reviewer

IEICE Transactions on Information and Systems

Yun Chen: Reviewer

IMID

Ke-Horng Chen: Section Chair (since 2009)

Information Technology Academia Collaboration (ITAC)

Magdy El-Moursy: Technical Reviewer

International Journal of Data Science

Chantana Chantrapornchai: Editorial Board

International Journal of Electronics

Yun Chen: Reviewer

International Journal of Multimedia and Ubiquitous Engineering

Chantana Chantrapornchai: Editorial Board

**International Journal of u- and e- Service, Science
and Technology**

Chantana Chantrapornchai: Editorial Board

ISBB

Tso-Bing Juang: Reviewer

ISCAS

Ke-Horng Chen: Technical Committee Member (2013 – 2014),

VSA-TC Technical Committee Member (from 2009),
IEEE CAS Technical Committee Member (from 2009)
Lan-Da Van: RCM for Handling Paper Review
(Assigned by VSA-TC, 2013;
Assigned by CASCOM-TC, 2013)
Myung Hoon Sunwoo: Steering Committee, 2010 - now

ISCAS 2014

Liang Liu: RCM for Handling Paper Reviewer, Reviewer
Tso-Bing Juang: RCM
Yun Chen: Organizer of Special Session:
FEC for Next Generation Storage and Communication
Systems

ISCE

Tso-Bing Juang: Reviewer

International Symposium on Electronic System Design

Magdy El-Moursy: Technical Reviewer

JCSSE 2013

Chantana Chantrapornchai: Steering Committee

Joint Chapter CPMT/CASS of the Oregon IEEE Section

Malgorzata Chrzanowska-Jeske: Vice Chair

Journal of Semiconductor Technology and Science

Yun Chen: Reviewer

Journal of Signal Processing Systems (JSPS)

Lan-Da Van: Reviewer

Yun Chen: Reviewer

Journal of Zhejiang University Science C (Computers & Electronics)

Yun Chen: Reviewer

LASCAS 2013

Massimo Alioto: Member of the Steering Committee

Microelectronics Journal

Lan-Da Van: Reviewer
Magdy El-Moursy: Technical Reviewer
Tony Tae-Hyoung Kim: Reviewer

Norchip Conference, 2013

Liang Liu: Member of Technical Reviewer Committee, Reviewer

PEDS

Ke-Horng Chen: Technical Committee Member (2013 – 2014)

SCIENCE CHINA Information Sciences

Yun Chen: Reviewer

Seasonal Schools in Signal Processing Program, IEEE Signal Processing Society

Xinmiao Zhang: Chair

Semiconductor Society, the Institute of Electronics and Information Engineers (IEIE), Korea

Myung Hoon Sunwoo: President, 2012 - 2013

SID

Ke-Horng Chen: Technical Committee Member (2013 – 2014)

SoC Tech Society, IEEK

Young Hwan Kim: Advisory committee member

Swedish System-On-Chip Conference, 2014

Liang Liu: Member of Best Student Paper Award Committee

Tampere Convention Bureau

Jari Nurmi: Board Member

The Journal of Supercomputing

Magdy El-Moursy: Technical Reviewer

VLSI Systems and Applications (VSA-TC), IEEE Circuits and Systems Society

Alexander Fish: TC Member

An-Yeu (Andy) Wu: TC Chair (2012-now)

Liang Liu: TC Member

Robert Rieger: TC Member

Awards and honors for year 2013

2013-14

2013 IBTIECAR Innovation Award for the best Research Project across Egypt

Maged Ghoneima

Best Associate Editor for IEEE Trans. on Circuits and Systems-I, 2013

Xinmiao Zhang

**Best Paper Award Finalist, 2014 International Symposium on VLSI Design,
Automation and Test (VLSI-DAT), April 2014**

An-Yeu (Andy) Wu

Best Paper Award from The IEEE International Design and Test Symposium

Magdy El-Moursy

**Best Student Paper Award, International Conference on Body Area Networks –
2013**

John Lach

Chapter of the Year Award, IEEE Circuits and Systems Society, May 2013

Myung Hoon Sunwoo

**Contribution Award, IEEE International Conference on Multimedia and Expo (ICME)
2013**

Myung Hoon Sunwoo

Distinguished Lecturer, IEEE Electron Devices Society

Morris (Ming-Dou) Ker

Distinguished member of Technical Staff, Freescale Semiconductor

Khurram Waheed

Distinguished Technical Paper Award, 2013 International Solid-State Circuits Conference (ISSCC)

Morris (Ming-Dou) Ker

Hershel Rich Technion Innovation Award

Eby G. Friedman

HiPEAC Technology Transfer Award 2013

Jari Nurmi

HiPEAC Award (for Paper)

Dimitrios Soudris

HPCA 2013 Best paper Award

Chaitali Chakrabarti

IEEE CASS Distinguished Lecturer (2013-2014)

Robert Chen-Hao Chang

IEEE Circuits and Systems Charles A. Desoer Technical Achievement Award

Eby G. Friedman

Intel Early Career Faculty Honor Program Award, 2013

Zhengya Zhang

Key Technical Contributor on IEEE 802.15.4m; TV White Space Amendment to 802.15.4

Khurram Waheed

Mentor Five years of Service Award 2013

Magdy El-Moursy

National Science Council Excellent Junior Research Investigator 2013

Robert Rieger

Outstanding Professor Award, Chinese Institute of Electrical Engineers, 2013

Jou Shyh-Jye

Sanford Kaplan Prize for Creative Management in High Tech in the 21st Century

Eby G. Friedman

Scientific Conference Award (of Finland) 2013

Jari Nurmi

Supervisor Award, Chip Design Excellent Award, 2013 MXIC Golden Silicon Awards

Jou Shyh-Jye

Supervisor Award, 2013 Merry Electronics Thesis Golden Award

Jou Shyh-Jye

Supervisor Award, 2013 Ph.D Thesis Award, Taiwan IC Design Society (TICD)

Jou Shyh-Jye