VSA-TC Report

IEEE Services for year 2012

2012

1. Organizers: conferences, workshops, ...

10TH IEEE INTERNATIONAL NEWCAS CONFERENCE, JUNE 17-20, 2012, MONTREAL, CANADA
Masud Chowdhury: Conference Track Chair, Digital Design and Memories

12TH INTERNATIONAL CONFERENCE ON ALGORITHMS AND ARCHITECTURES FOR PARALLEL PROCESSING
Pramod Meher: Technical Program Committee Member

16TH VLSI DESIGN AND TEST SYMPOSIUM (VDAT-2012), KOLKATA, INDIA
Pramod Meher: Technical Program Committee Member

18TH IEEE INTERNATIONAL CONFERENCE ON PARALLEL AND DISTRIBUTED SYSTEMS (ICPADS 2012)
Pramod Meher: Technical Program Committee Member

1ST WORKSHOP ON ENERGY EFFICIENT ELECTRONICS AND APPLICATIONS
Alexander Fish: Organizer and co-chair

2012 FRONTIERS OF INFORMATION SCIENCE AND TECHNOLOGY WORKSHOP, SHANGHAI
Zhongfeng Wang: Organizing committee

25TH IEEE INTERNATIONAL SOC CONFERENCE (SOCC), NIAGARA FALLS, NEW YORK, USA
Pramod Meher: Technical Program Committee Member

5TH INTERNATIONAL CONFERENCE ON CONTEMPORARY COMPUTING, NOIDA (NEW DELHI), INDIA
Pramod Meher: Technical Program Committee Member

A-SSCC
Robert Chen-Hao Chang:

APCCAS
Massimo Alioto: track chair
Yuan-Hao Huang: Session Chair
Bin Da Liu: Advisory Committee Member

APCCAS 2012
Ke-Horng Chen: Tutorial chair

APCCAS2012
Hanho Lee: International Liaison Co-Chair

ASILOMAR CONF ON SIGNALS, SYSTEMS, AND COMPUTERS
Linda DeBrunner: Publicity Chair, Steering Committee

ASP-DAC
Yajun Ha: PC

ASQED
Malgorzata Chrzanowska-Jeske: Technical Committee
Alexander Fish: Chair - Circuit and System Design track

ASQED, ASAP, SOCC, SIPS, ISIEA, ICASSP, ISCAS,
Zhongfeng Wang: TPC-M (1 to 5) or RCM (6 to 7)

BIOCAS
Bin Da Liu: Publicity Chair
Robert Rieger: Technical Program Committee Member

BSN
John Lach: technical program committee member, publicity chair
<table>
<thead>
<tr>
<th>Name</th>
<th>Role/Position</th>
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<tr>
<td>Mladen Berekovic</td>
<td>RCM</td>
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<tr>
<td>Massimo Alioto</td>
<td>track chair</td>
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<td>Mladen Berekovic</td>
<td>TPC</td>
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<td>Robert Chen-Hao Chang</td>
<td>Review Committee Member</td>
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<tr>
<td>Ke-Horng Chen</td>
<td>TC member of IEEE CAS Power Systems and Power Electronic Circuits Technical Committee</td>
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<td>Kwen-Siong Chong</td>
<td>RCM, Session Chairs</td>
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<td>Linda DeBrunner</td>
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<td>Oscar Gustafsson</td>
<td>Review Committee Member, International Coordinator</td>
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<td>Ming Dou Ker</td>
<td>RCM</td>
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<td>Young Hwan Kim</td>
<td>TPC</td>
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<td>Jun Jin Kong</td>
<td>RCM, Session Chair (and Special Session Organizer), Industrial Coordinators</td>
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<td>John Lach</td>
<td>review committee member</td>
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<td>Bin Da Liu</td>
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<td>Hanho Lee</td>
<td>Secretary General</td>
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<td>Vasily Moshnyaga</td>
<td>TC Member, Session Chair</td>
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<td>Jari Nurmi</td>
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<td>Wonyong Sung</td>
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<td>An Yeu (Andy) Wu</td>
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<td>Xinmiao Zhang</td>
<td>Session Chair, Reviewer Committee</td>
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<td>Zhengya Zhang</td>
<td>Session Chair</td>
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<td>Mohsin Jamali</td>
<td>Session Chair- System Design Methodology</td>
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Xinmiao Zhang: TPC

NORCHIP
Jari Nurmi: Steering committee member
Viktor Öwall: Management Committee

PATMOS
Oscar Gustafsson: Technical Programme Committee Member
Vasily Moshnyaga: TPC Member

SIPS
Zhiyuan Yan: Finance Chair
Tong Zhang: Technical Program Co-Chair
Xinmiao Zhang: Publication Chair and TPC
Zhengya Zhang: Technical Program Committee Member, Session Chair

SIPS2012, IEEE SIGNAL PROCESSING SOCIETY, DESIGN AND IMPLEMENTATION OF SIGNAL PROCESSING SYSTEMS (DI
Hanho Lee: Technical Committee Member

SOC
Jari Nurmi: General chair, steering committee chairman

SOCC (SYSTEM ON CHIP CONFERENCE) NIAGARA FALL, USA
Ramalingam Sridhar: General Chair

TENCON
Chip Hong Chang: Technical Program Committee

VLSI-SOC
Alexander Fish: Member of the TC

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

2012 FRONTIERS OF INFORMATION SCIENCE AND TECHNOLOGY WORKSHOP, SHANGHAI (FIST'2012),
Zhongfeng Wang: invited speaker

CEA 2012
Vasily Moshnyaga: Plenary speaker

DASIP
Jari Nurmi: Invited speaker

IEEE CASS DISTINGUISHED LECTURES
Pramod Meher: Speaker

IEEE CASS SUMMER SCHOOL
Yuan-Hao Huang: Lecturer

IEEE ELECTRON DEVICES MINI-COLLOQUIUM (CHENGDU CHAPTER)
Ming Dou Ker: Invited Talk

IEEE INTERNATIONAL RELIABILITY PHYSICS SYMPOSIUM
Ming Dou Ker: Tutorial Speaker

ISCAS
Massimo Alioto: Poster Session Chair

JCSSE
Chantana Chantrapornchai: Reviewer, invited lecture

OAK RIDGE NATIONAL LAB
Qiaoyan Yu: Speaker

POWER DELIVERY IN HETEROGENEOUS INTEGRATED CIRCUITS (MAY)
Eby G. Friedman: Invited Talk

SPIN TORQUE MTJ-BASED CIRCUITS FOR VLSI APPLICATIONS (MARCH)
Eby G. Friedman: Invited Talk

TCAS-II
Massimo Alioto: Guest Editor

UC BERKELEY
Alexander Fish: invited lecture
3. Editorial services

ACM TRANSACTIONS ON DESIGN AUTOMATION OF ELECTRONIC SYSTEMS
  Massimo Alioto: Associate Editor

ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING
  Eby G. Friedman: Associate Editor

ELSEVIER M&M
  Mladen Berekovic: Associate Editor

IEEE JOURNAL ON EMERGING AND SELECTED TOPICS IN CIRCUITS AND SYSTEMS
  Eby G. Friedman: Associate Editor

IEEE SENSORS
  Alexander Fish: Associate Editor

IEEE TRANS CIRCUITS & SYSTEMS I, IEEE TRANS CIRCUITS II, IEEE JOURNAL OF SOLID-STATE CIRCUITS
  Kwen-Siong Chong: Reviewers

IEEE TRANS. ON VLSI SYSTEMS
  Robert Chen-Hao: Associate Editor
  Chang: Associate Editor

IEEE TRANSACTIONS ON BIOMEDICAL CIRCUITS AND SYSTEMS
  Robert Rieger: Associate Editor

IEEE TRANSACTIONS ON CAS FOR VIDEO TECHNOLOGY, IEEE TRANSACTIONS ON VLSI
  Vasily Moshnyaga: Reviewer

IEEE TRANSACTIONS ON CIRCUITS & SYSTEMS-I: REGULAR PAPERS
  Pramod Meher: ASSOCIATE EDITOR,

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I: REGULAR PAPERS
  Bah Hwee Gwee: ASSOCIATE EDITOR

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II
  Tong Zhang: Associate Editor

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS – PART I
  Massimo Alioto: Associate Editor

IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS-II, EXPRESS BRIEFS
  Bin Da Liu: Associate Editor

IEEE TRANSACTIONS ON FUZZY SYSTEMS
  Bin Da Liu: Associate Editor

IEEE TRANSACTIONS ON POWER ELECTRONICS
  Ke-Horng Chen: Associate editor

IEEE TRANSACTIONS ON SIGNAL PROCESSING
  Zhiyuan Yan: Area editor for HDW
  Tong Zhang: Associate Editor

IEEE TRANSACTIONS ON VERY LARGESCALE INTEGRATION (VLSI) SYSTEMS
  Magdy Ali El-Moursy: Technical Review, Reviewer
  Eby G. Friedman: Chair, Steering Committee
  Pramod Meher: ASSOCIATE EDITOR,

IEEE TRANSACTIONS ON VLSI SYSTEMS
  Massimo Alioto: Associate Editor

IJERTCS (IGI GLOBAL)
  Jari Nurmi: Associate editor, guest editor of 2 issues

INTEGRATION – THE VLSI JOURNAL
  Massimo Alioto: Associate Editor

INTEGRATION, THE VLSI JOURNAL
  Oscar Gustafsson: Associate editor

INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATION
  Magdy Ali El-Moursy: Reviewer

INTERNATIONAL JOURNAL OF COMPUTER TECHNOLOGY AND APPLICATIONS
Magdy Ali El-Moursy: Review

INTERNATIONAL JOURNAL OF COMPUTER TECHNOLOGY AND APPLICATIONS, 2011-2012
Magdy Ali El-Moursy: Technical Review

ISCAS
Sina Balkir: VLSI track technical review management. Also reviewer for other tracks.
ISCAS, ICCD, SIPS, VLSI-SOC
Koushik Maharatna: RCM, PC Member

JCSC
Chip Hong Chang: Special Issue Guest Editor
JECE (HINDAWI PUBLISHING CORPORATION)
Chip Hong Chang: Editorial Advisory Board

JOURNAL OF CIRCUIT, SYSTEMS AND SIGNAL PROCESSING (CSSP), SPRINGER PUBLICATION
Masud Chowdhury: Associate Editor

JOURNAL OF CIRCUITS, SYSTEMS, AND COMPUTERS
Massimo Alioto: Associate Editor, Associate Editor
Eby G. Friedman: Regional Editor - (US Regional Editor)
Qiayan Yu: Associate editor

JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING
Bin Da Liu: Associate Editor

JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING (JECE), SPECIAL ISSUE
An Yeu (Andy) Wu: Guest Editor

JOURNAL OF LOW POWER ELECTRONICS
Massimo Alioto: Associate Editor
Eby G. Friedman: Associate Editor

JOURNAL OF LOW POWER ELECTRONICS AND APPLICATIONS
Massimo Alioto: Associate Editor
Eby G. Friedman: Associate Editor

JOURNAL OF SIGNAL PROCESSING SYSTEMS
Zhiyuan Yan: Associate Editor

JOURNAL OF SIGNAL PROCESSING SYSTEMS (JSPS)
An Yeu (Andy) Wu: Associate Editor

MICPRO (ELSEVIER)
Jari Nurmi: Guest editor

MICROELECTRONICS JOURNAL
Massimo Alioto: Associate Editor
Eby G. Friedman: Associate Editor

OEIEE (BENTHAM SCIENCE PUBLISHER)
Chip Hong Chang: Editorial Advisory Board

T-SP
Linda DeBrunner: Reviewer

TCAS II
Ke-Horng Chen: Associate editor
Yajun Ha: Associate Editor

TCAS-I
Xinmiao Zhang: associate editor

TCAS-I
Chip Hong Chang: Associate Editor, Guest Editor

TCAS-II
Oscar Gustafsson: Associate editor

TCAS-II, TVLSI
Zhongfeng Wang: AE

TCSVT
Mladen Berekovic: AE

TVLSI
Chip Hong Chang: Associate Editor
4. Other professional activities

**BIOCAS TC**
- Viktor Öwall: Member
- Robert Rieger: Technical Committee Member

**BOG**
- Gaetano Palumbo: member

**CAS SOCIETY IEEE FELLOW COMMITTEE (CHAIR 2006)**
- Eby G. Friedman: Committee Member

**CAS SOCIETY VAN VALKENBURG AWARD COMMITTEE**
- Eby G. Friedman: Committee Chair

**CASEO TC**
- Robert Rieger: Technical Committee Member

**CDT (IET)**
- Jari Nurmi: Reviewer

**CIRCUITS & SYSTEMS CHAPTER OF THE IEEE SINGAPORE SECTION**
- Pramod Meher: Committee Member

**CONSUMER ELECTRONICS CHAPTER OF THE IEEE SINGAPORE SECTION**
- Pramod Meher: Chair

**CSSP**
- Chip Hong Chang: Reviewer

**CSSP JOURNAL**
- Pramod Meher: Associate Editor

**DFTS**
- Qiaoyan Yu: Reviewer

**DISPS TC, SIGNAL PROCESSING SOCIETY**
- Wonyong Sung: Past Chair

**DISPS, CASCOM**
- Xinmiao Zhang: TC member

**ECTI**
- Chantana Chantrapornchhai: Reviewer

**EMBEDDED SYSTEMS LETTERS**
- Jari Nurmi: Reviewer

**EWME**
- Jari Nurmi: TPC member

**IEEE DESIGN & TEST COMPUTERS**
- Qiaoyan Yu: Reviewer

**IEEE CAS SINGAPORE CHAPTER**
- Yajun Ha: Chapter Chair

**IEEE CASS**
- Malgorzata Chrzanowska-Jeske: BoG

**IEEE CASS DLP COORDINATING COMMITTEE**
- Massimo Alioto: member

**IEEE CASS TAIPEI CHAPTER**
- Robert Chen-Hao Chang: Chapter Chair

**IEEE CIRCUITS AND SYSTEMS SINGAPORE CHAPTER**
- Bah Hwee Gwee: Deputy Chair

**IEEE CIRCUITS AND SYSTEMS SOCIETY SINGAPORE CHAPTER**
- Kwen-Siong Chong: Secretary for IEEE CASS Singapore Chapter

**IEEE INTERNATIONAL CONFERENCE ON CIRCUITS AND SYSTEMS (ISCAS)**
- Lan-Da Van: Session Chair/Co-Chair

**IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS (ISCAS) (CIRCUITS AND SYSTEMS FOR COMMUNICATION**
- Lan-Da Van: TC
IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS (ISCAS) (NANOELECTRONICS AND GIGASCALE SYSTEMS)
  Lan-Da Van: TC
IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS (ISCAS) (VLSI SYSTEMS AND APPLICATIONS)
  Lan-Da Van: TC
IEEE SSCS SWEDEN CHAPTER
  Oscar Gustafsson: Treasurer
IEEE TCAS-II
  An Yeu (Andy) Wu: Reviewer
IEEE TRANS. ON CIRCUITS AND SYSTEMS I
  Lan-Da Van: Reviewer
IEEE TRANS. ON CIRCUITS AND SYSTEMS II
  Lan-Da Van: Reviewer
IEEE TRANS. ON MULTIMEDIA
  Lan-Da Van: Reviewer
IEEE TRANSACTION ON CIRCUITS AND SYSTEM 1, 2
  Hanho Lee: Reviewer
IEEE TRANSACTION ON VLSI SYSTEMS
  Hanho Lee: Reviewer
IEEE TRANSACTIONS ON VLSI SYSTEMS
  Tso-Bing Juang: Reviewer
IEEE TRANSACTIONS ON VLSI SYSTEMS
  Tso-Bing Juang: Reviewer
IET
  Qiaoyan Yu: Reviewer
INTEGRATION, THE VLSI JOURNAL.
  Lan-Da Van: Reviewer
ISCAS
  Yuan-Hao Huang: TPC member
  Tso-Bing Juang: Reviewer
  Qiaoyan Yu: Joined the VSA-TC in the 2012 TC meeting, Joined the VSA-TC in the 2012 TC meeting, Reviewer
  Tong Zhang: Review Committee Member
MCSOC
  Jari Nurmi: TPC member
  Qiaoyan Yu: Reviewer
NOCS
  Jari Nurmi: TPC member
RECO SOC
  Jari Nurmi: TPC member
SIPS
  Yuan-Hao Huang: TPC member
TAIWAN BUREAU OF STANDARDS, METROLOGY & INSPECTION (BSMI)
  Robert Rieger: Technical Committee Member
TAIWAN CHIP IMPLEMENTATION CENTER (CIC)
  Robert Rieger: Peer-Review Committee Member
TAMPERE CONVENTION BUREAU
  Jari Nurmi: Board member
TC
  Chip Hong Chang: Reviewer
  Qiaoyan Yu: Reviewer
TCAD
  Chip Hong Chang: Reviewer
  Qiaoyan Yu: Reviewer
TCAS-I
  Chip Hong Chang: Reviewer
Awards and honors for year 2012

2012

IEEE
  Chaitali Chakrabarti: IEEE Fellow (class of 2012)
  Tso-Bing Juang: Senior Member
IEEE CIRCUITS AND SYSTEMS SOCIETY
  Eby G. Friedman: VLSI TRANSACTIONS BEST PAPER AWARD
ISOCC
  Yuan-Hao Huang: IEKE Semiconductor and Device Society Award
TAIWAN IC DESIGN SOCIETY
  Shyh Jye Jou: Advisory Board Member

THE PROPOSED FORWARD ERROR CORRECTION SCHEMES FOR 100GBPS ETHERNET WERE ADOPTED BY IEEE P802.3BJ STA
  Zhongfeng Wang: the key contributor

THE UNIVERSITY CLEAN ENERGY ALLIANCE OF OHIO HAS PRESENTED THE 2012 ENERGY RESEARCH POSTER SESSION T
  Mohsin Jamali: Technical/Scientific Merit Award for poster by Golrokh Mirzaei, Selin A. Bastas, Jeremy Ross, Mohamm