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: Orginizer 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: Technical Committee Member
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

CASS VSA TC
>   **An Yeu (Andy) Wu**:   Secretary & Chair-Elect

DASIP
>   **Jari Nurmi**:   Steering committee member

DFTS
>   **Qiaoyan Yu**:   Publication Chair

DSN
>   **John Lach**:   technical program committee member

ECTI-CARD
>   **Chantana Chantrapornchai**:   Reviewer, TPC

ESWEEK
>   **Jari Nurmi**:   Local organization chair

FPL
>   **Mladen Berekovic**:   TPC
>   **Jari Nurmi**:   Steering committee member

GLSVLSI
>   **Tong Zhang**:   Technical Program Co-Chair
>   **Xinmiao Zhang**:   TPC

ICASSP
>   **Yuan-Hao Huang**:   TPC member
>   **Wonyong Sung**:   Reviewer
>   **Xinmiao Zhang**:   reviewer

ICCCAS
>   **Bin Da Liu**:   General Chair

ICCD
>   **Massimo Alioto**:   track chair, track chair

ICECS
>   **Massimo Alioto**:   track chair
>   **Alexander Fish**:   Chair of Sensing and Sensor Networks track

ICIP
>   **Wonyong Sung**:   Reviewer

ICL-GNSS
>   **Jari Nurmi**:   Steering committee chairman

ICME
>   **Mladen Berekovic**:   TPC

ICNC
>   **Xinmiao Zhang**:   Session Chair

IEEE ASIA PACIFIC CONFERENCE ON CIRCUITS AND SYSTEMS
>   **Shyh Jye Jou**:   Advisory Committee member

IEEE CASS VSA TC
>   **Masud Chowdhury**:   TC Chair-Elect

IEEE INTERNATIONAL CONFERENCE ON BIOMEDICAL CIRCUITS AND SYSTEMS
>   **Shyh Jye Jou**:   TPC Chair

IEEE INTERNATIONAL SYMPOSIUM ON CIRCUITS AND SYSTEMS (ISCAS 2012)
>   **Myung H. Sunwoo**:   General Chair

IEEE ISCAS 2012
>   **Masud Chowdhury**:   Session Chair, RCM Member and Reviewer

IEEE SIPS
>   **Zhongfeng Wang**:   Industrial liaison chair

IEEE SP SUMMER SCHOOL
>   **Yuan-Hao Huang**:   Program Chair

IEEE VLSI-DAT
>   **Shyh Jye Jou**:   Conference Chair

INTERNATIONAL SYMPOSIUM ON VLSI DESIGN, AUTOMATION & TEST (VLSI-DAT)
>   **An Yeu (Andy) Wu**:   Technical Program Co-Chair

ISACS

Mladen Berekovic: RCM

ISCAS

Massimo Alioto: track chair
Mladen Berekovic: TPC
Robert Chen-Hao Chang: Review Committee Member
Ke-Horng Chen: TC member of IEEE CAS Power Systems and Power Electronic Circuits Technical Committee
Kwen-Siong Chong: RCM, Session Chairs
Linda DeBrunner: RCM
Oscar Gustafsson: Review Committee Member, International Coordinator
Ming Dou Ker: RCM
Young Hwan Kim: TPC
Jun Jin Kong: RCM, Session Chair (and Special Session Organizer), Industrial Coordinators
John Lach: review committee member
Bin Da Liu: RCM
Hanho Lee: Secretary General
Vasily Moshnyaga: TC Member, Session Chair
Pramod Meher: Review Committee Member, Session Chair
Jari Nurmi: RCM
Wonyong Sung: Reviewer, Conference Advisor
An Yeu (Andy) Wu: Session Chair, Track Co-Chair
Qiaoyan Yu: RCM
Xinmiao Zhang: Session Chair, Reviewer Committee
Zhengya Zhang: Session Chair

ISCAS 2012

Mohsin Jamali: Session Chair- System Design Methodology, Session Chair- System Design Methodology

ISCAS, ISLPED AND SIPS

Chaitali Chakrabarti: Technical Program Committee member, Technical Program Committee member

ISCAS, SEOUL KOREA

Myung H. Sunwoo: General Chair

ISCAS2013

Hanho Lee: Review Committee member

ISLPED

Vasily Moshnyaga: TPC Member

ISOCC

Jun-Dong Cho: Track Chair in Design Methodologies

ISOCC2012

Hanho Lee: Special session chair

KST

Chantana Chantrapornchai: Reviewer, TPC

LASCAS

Malgorzata Chrzanowska-Jeske: Technical Program Co-Chair

LUND CIRCUIT DESIGN WORKSHHOP

Viktor Öwall: Organizer

MWSCAS

Massimo Alioto: track chair
Pramod Meher: Track Chair

NEWCAS

Massimo Alioto: Technical Program Chair
Pramod Meher: Track Chair

NG-TC

Shyh Jye Jou: Track Chair

NON-VOLATILE MEMORIES WORKSHOP

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: Assoiate 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 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
    Magdy Ali El-Moursy: Technical Review, Technical Review, Reviewer
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 LARGE SCALE 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)
       Qiaoyan 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
OEEE (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-1
       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 Chantrapornchai: 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 CIRCUITS AND SYSTEMS I & II

     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

RECOSOC

      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

TCAS-II
> **Chip Hong Chang**: Reviewer

TVLSI
> **Chip Hong Chang**: Reviewer

UPINLBS
> **Jari Nurmi**: TPC member

VLSI DESIGN/CAD SYMPOSIUM
> **Lan-Da Van**: TPC, Session Chair/Co-Chair

VSA-TC
> **Viktor Öwall**: Member

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**: IEEK 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