asQED

Symposium 2015

6TH ASIA SYMPOSIUM ON QUALITY ELECTRONICS DESIGN
~ 4-5 AUGUST 2015 ~
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KUALA LUMPUR, MALAYSIA

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INTRODUCTION

ASQED 2015 is the 6th ISQED event organized in Malaysia and is the 29th worldwide event organized by the International Society for Quality Electronic Design with technical sponsorship from several IEEE Societies. This event is sponsored by the Malaysian Investment Development Authority (MIDA). The conference emphasizes innovations and the latest developments in System and IC Design, Sensors, MEMS & NEMS, Semiconductor Technology and Manufacturing, IC Packaging and PCB Technology, Test, and Bio & Nano Electronics. ASQED 2015 is held with technical sponsorship of IEEE Circuits and Systems Society (CASS), IEEE Electron Devices Society (EDS), and IEEE Reliability Society. Past ASQED papers have been published in IEEE digital library Xplore and indexed by Scopus.

KEYNOTE SPEAKERS

Topic: Internet of Things : Beyond the Hype

Mudasir Ahmad
Senior Director,Cisco Systems

Topic: Where Things Are Going

Joachim Kunkel
EVP/GM Solutions Group at Synopsys

Topic: Cryptanalytical Attacks on Objects of Daily Usage

Professor Martin Novotny
Faculty of Information Technology, Czech Technical University in Prague

Topic: Driving Transformation : From Product Businesses to Global Service Businesses

Tom Fisher
Regional Managing Director – APJ, Jasper

TUTORIAL SPEAKERS

Tutorial 1
Hardware Security in IoT Era : Challenges and Opportunities

Bao Liu
Assistant Professor, Electrical and Computer Engineering Department
University of Texas at San Antonio

Tutorial 2
Novel System Design Using Emerging Devices

Vijaykrishnan Narayanan
Distinguished Professor, Computer Science and Engineering
Pennsylvania State University

Tuesday, Aug. 4, 2015

Time	Event
8:00am-9:00am	**Registration**
9:00am–9:15am	**Welcome & Introduction** Venue: MIDA Perdana Hall, Level 10 Welcoming remark by Y. Bhg. Dato' Azman Mahmud, CEO of MIDA
9:150am–9:45am	**Keynote 1** **Internet of Things: Beyond the Hype** **Mudasir Ahmad - Cisco Systems**
9:45am–10:15am	**Keynote 2** **Where Things Are Going** **Joachim Kunkel - Synopsys**
10:15am–10:45am	**Tea Break & Networking**
10:45am-11:15am	**Keynote 3** **Driving Transformation: From Product Businesses to Global Service Businesses** **Tom Fisher - Jasper**
11:15m-11:45am	**Keynote 4** **Cryptanalytical Attacks on Objects of Daily Usage** **Martin Novotný - Czech Technical University in Prague**
11:45m-12:15pm	**Press Conference** Venue: Ruby Room, Level 10
12:00pm-1:30pm	**Lunch Buffet** Venue: Banquet Hall, Level 10
1:30pm-3:00pm	**Panel Discussion** Venue: MIDA Perdana Hall, Level 10 Moderator: Y. Bhg. Datuk Phang Ah Tong DCEO I MIDA	**Microelectronic Olympiad** Venue: Sigma & Gamma Level 13, MIDA Time; 1pm-4pm
3:00pm–3:30pm	**Tea Break and Networking**
3:30pm-4:30pm	**Tutorial 1** **Hardware Security in IoT Era: Challenges and Opportunities** **Bao Liu** **University of Texas at San Antonio, USA** Venue: MIDA Perdana Hall, Level 10
4:30pm–5:30pm	**Tutorial 2** **Novel System Design Using Emerging Devices** **Vijaykrishnan Narayanan** **Pennsylvania State University, USA** Venue: MIDA Perdana Hall, Level 10

Wednesday, Aug. 5, 2015

Time	Event A	Event B
8:15am-8:30am	**Registration**	
8:30am–9:00am	**Welcome & Introduction**	
9:00am–10:30am	**Session 1A** **Low Power Design and Interconnect Techniques** Venue: Japan Room, Level 18	**Session 1B** **Error Prevention and Design for Robustness** Venue: USA Room, Level 18
10:30am–11:00am	**Tea Break & Networking**	
11:00am–12:00pm	**Session 2A** **Testing and Packaging** Venue: Japan Room, Level 18	**Session 2B** **RF Design and EMC** Venue: USA Room, Level 18
12:00-1:30pm	**Lunch Buffet**	
1:30pm-3:00pm	**Session 3A** **Clock Network Design and Routing** Venue: Japan Room, Level 18	**Session 3B** **Emerging Technologies and Applications** Venue: USA Room, Level 18
3:00pm-3:30pm	**Tea Break & Networking**	
3:30pm-5:15pm	**Session 4A** **Special Chip Fabrication Technology and Design** Venue: Japan Room, Level 18	**Session 4B** **Bio-chip and Integrated Systems** Venue: USA Room, Level 18

REGISTRATION FORM

PART A : CONTACT DETAILS

Company/University :	
* Address :	
* Phone :	**Fax**
* Contact Person :	
* Email :	
* Position :	

* Compulsory. Registration may be denied if field marked [*] is not complete

PART B : PARTICIPANT(S) REGISTRATION

No.	Participant's Full Name	Position	Vegetarian [√]

[Note: Please duplicate the form for additional participants]

PART C : REGISTRATION FEE

Registration Type	Fee (RM)	# of Pax	Total
Public	1113		
Lecturer / Student	583		

Mail/Fax this form with payment to:
ASQED 2015
SELANGOR HUMAN RESOURCE DEVELOPMENT CENTRE
No.1 Ground Floor, Block 2
Worldwide Business Park, Section 13
40100 Shah Alam, Selangor Darul Ehsan
Tel: +603-5513 3560 Fax: +603-5513 3490
Email: asqed@shrdc.org.my

PART D : TERM AND CONDITIONS

1. PAYMENT
    ~ All payments are made in Malaysia Ringgit (MYR) and to be made payable to
      "SELANGOR HUMAN RESOURCE DEVELOPMENT CENTRE", the appointed Secretariat for ASQED 2015.
    ~ Confirmation of seat is only available upon receipt of full payment.
    ~ If the paid participant is unable to attend the course, there will be no charge for repalcement.
2. CANCELLATION
    ~ All cancellation MUST be made in writing via email to asqed@shrdc.org.my by 27 July 2015.
    ~ NO refund will be made for cancellation.
    ~ "No Shows" are not entitled for refund. A full registration fee will be charged for "No Shows".

HRDF Claimable (SBL Scheme)

Disclaimer
ASQED and the conference organizer reserve the right to make changes to the including but not limited venue, date, speaker or cancellation of the conference without prior notice, should circumstances beyond its control arise, submitting the Course Registration Form, you are deemed to have understood and agreed to the above terms and conditions.

ASQED MICROELECTRONIC OLYMPIAD

Young and aspiring engineers in microelectronics under the age of 28 are invited to take up the challenge in the ASQED Microelectronics Olympiad 2015.

Participants to be tested on the following topics:
- Digital IC Design and Testing
- Analog and Mixed Signal IC Design and Testing
- Semiconductor Devices and Technology
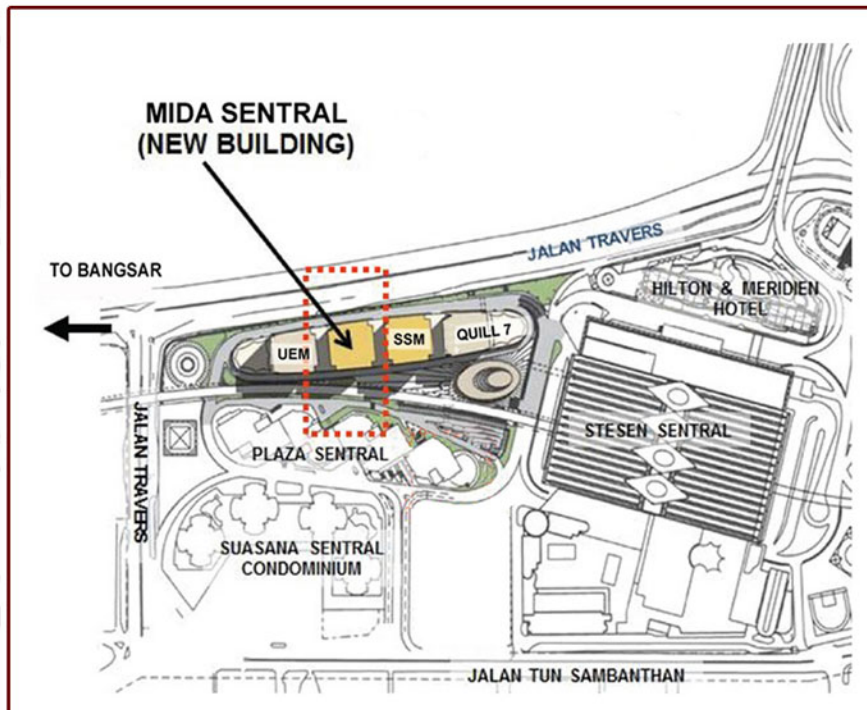- Mathematical and Algorithmic Issues of EDA

The first place winner will stand a chance to represent Malaysia in the International Microelectronics Olympiad in Armenia, with all travel expenses will be paid by the Armenia Olympiad Committee. It is your time to shine!
Make your university proud! Malaysia Boleh!

Top ranking performers will receive an award from ISQED and all participants who complete the test will receive a certificate of participation.

For registration:
http://www.asqed.com/English/Conference/Microelectronic_Olympiad.html

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