

## Call for Papers SCOReD 2008



### 2008 Regional Student Conference on Research and Development

“Engineers and Research  
Excellence Culture”

26 to 27 Nov 2008  
UNIVERSITI TEKNOLOGI MALAYSIA  
Johor Bahru, MALAYSIA

Organized by:



Faculty of Electrical Engineering  
Universiti Teknologi Malaysia

IEEE  
UTM Student Branch

Sponsor:

IEEE  
Malaysia Section

### Important Datelines

Submission of full paper: 25 October 2008  
Notification of acceptance: 4 November 2008  
Submission of final paper: 12 November 2008  
Conference registration: 12 November 2008

### Patron

Dato' Prof. Ir Dr Zaini Ujang, Vice Chancellor,  
Universiti Teknologi Malaysia

### International Advisory Committee

IEEE Region 10 Director  
IEEE Region 10 Student Activities Chair  
Dato' Prof. Dr. Ahmad Darus, UTM  
Datuk Prof Ir Ishak Ismail, UTM  
Prof. Dr. Mohd. Nasir Taib, UiTM  
Prof. Dr. Norman Mariun, UPM  
Prof. Dr. Marzuki Khalid, UTM  
Prof. Dr Shamsuddin Mohd Amin, UTM  
Prof. Dr Borhanuddin Mohd Ali, UKM/MIMOS  
Prof. Dr Mazlan Abbas, MIMOS/UTM

### Organizing Committee

General Chair: Prof. Dr Mazlina Esa  
Vice Chair: Assoc Prof Dr Abu Sahmah Supaat  
Technical: Prof. Dr Mazlina Esa, Assoc. Prof. Dr  
Mohd Kamal A Rahim and Jong Han Siong  
Secretary Dr Sharifah Kamilah Yusof, and  
Choe Yuet Sheng  
Finance: Dr Nurul Muazzah Abdul Latiff and  
Neo Yun Sheng  
Local Arrangement: Dr Sharifah Hafizah Syed  
Ariffin and Shipun Anuar Hamzah  
Registration: Fatimah Mohamad and  
Nik Noordini Nik Abdul Malek  
Publicity: Alias Mohd, Ng Wui Soon and  
Bong Yuan Yiunn  
Committee Members: Adnall Bakar,  
Rosmawati Othman and Seri Mahrani Abdul Azes

### Introduction

SCOReD is a series of highly successful Asia Pacific Regional conference focusing on students at higher learning institutions in Electrical Engineering and related fields. The inaugural conference was successfully organized in 2001 by UTM. This was followed by Universiti Teknologi MARA (UiTM), Universiti Putra Malaysia, UiTM and Universiti Kebangsaan Malaysia in 2002, 2003, 2006, and 2007, respectively. The 6<sup>th</sup> Student Conference on Research and Development is organized by the IEEE UTM Student Branch, Faculty of Electrical Engineering, Universiti Teknologi Malaysia. It will provide a unique platform for the students and researchers; to share their experience and view in their latest research and breakthroughs. It is created upon the ideas to promote Asia Pacific as the centre of Electrical and Electronics excellence in this region and to promote the research and development activities among students and researchers. In accordance with the theme “Engineers and Research Excellence Culture”, various inspiring research work carried out by students and researchers will be center-staged in **SCOReD 2008**.

### Objective

The conference aims to provide students, academia, engineers, researchers, and industries the opportunity to explore recent developments, current practices and future trends in Computing, Communication, Control, RF and Microwaves, Electronics, Lasers, Engineering Education, Power and Energy, and Women in Engineering. It is hoped that the conference will provide a unique platform for discussing issues and development along with establishing international relationship and exchanging ideas among the delegates.

## Scope

The conference seeks papers in all aspects of Law, Science, Math, Education and Management of Electrical and Electronic Engineering.

### Technical Tracks:

#### A. Communication

- Communication and Networks
- Image and Speech Processing
- Security

#### B. Computing

- Artificial Intelligence and Fuzzy Systems
- Microprocessor
- Optimization Techniques
- Soft Computing, Parallel Processing

#### C. Control and Robotics

- Manufacturing Technology & Management
- Mechatronics and Sensors
- Process Control
- Robotics, Automation and Instrumentation

#### D. Electronics and Circuits

- Biomedical
- Consumer and Industrial Electronics
- Microelectronics, MEMS Technology
- Nanotechnology
- Signal Integrity and Processing

#### E. Lasers and Optics

- Optical Devices
- Photonics and Terahertz
- Radio over Fibre

#### F. Power and Energy

- Computer and AI Applications
- Distributed Generation, Fuel Cells and Renewable/Sustainable Energy
- Electrical Machines and Drives
- Power Electronic, Devices and Applications
- Power System and Power Quality

#### G. RF and Microwaves

- Aerospace and Satellite
- Antenna and Propagation
- Audio, Acoustics, SONAR and RADAR
- EMI/EMC
- RF and Microwave Engineering

#### H. Women in Engineering

- Electrical Engineering Awareness
- Role and Importance
- Student Achievement
- Women Engineers Achievement

#### I. Engineering Education

- Assessment and Evaluation
- Curriculum and Course Development
- Industrial Training
- Lab/Project/Thesis Supervision
- Outcome Based Education
- Technical and Generic Skills

#### J. Others

## Participations

All 2008 graduates, postgraduates (PG), undergraduates (UG), academicians, researchers, engineers and managers from Institutes of Higher Learning, research institutions, utility companies and various industries are welcome to participate.

## Submission of Full Paper

Authors are invited to submit full paper of significant findings of research and development work to the conference secretariat. Online: [conf.fke.utm.my/scored2008/openconf.php](http://conf.fke.utm.my/scored2008/openconf.php). All accepted papers must be presented in order to be published in the conference proceedings and listed in the IEEE Explore. Each submitted paper must be registered and presented by one author, for inclusion in the conference Proceedings. Undergrad presentations will be in Poster only.

## Registration Fees

Category	Local Participant	Overseas Participant
Postgraduate IEEE Student	RM 550	USD 230
Postgraduate Non-IEEE Student	RM 650	USD 280
*Undergraduate IEEE Student	RM 150	USD 80
*Undergraduate Non-IEEE Student	RM 200	USD 100
IEEE Member	RM 800	USD 350
Others	RM 950	USD 450

Full registration fees includes conference bag and materials, refreshments, lunch, Opening Ceremony, Plenary Session, Invited Paper Sessions, Technical sessions, CD proceedings, Conference Dinner, Exhibition and Short Course.

\*Undergraduate registration fees includes conference folder and materials, refreshments, lunch, Opening Ceremony, Plenary Session, Invited Paper Sessions, Technical sessions, CD proceedings, Conference Dinner, Exhibition and Short Course.

All 2008 Graduates are eligible for Student rates.

## Conference Highlights

- Plenary Session and Keynote Presentations
- Invited Paper Presentations
- IEEE Malaysia Section Forum
- Opening Ceremony and Conference Dinner
- Best Paper Awards, Best Poster Awards
- Parallel Technical Sessions: Regular, PGs
- Half-day Short Courses
- Undergraduate Poster Presentations

## Contact

IEEE SCOReD 2008 Secretariat, Faculty of Electrical Engineering, Universiti Teknologi Malaysia, 81310 UTM Skudai, Johor, Malaysia (Attn: Prof Dr Mazlina Esa)  
Tel: 60-7-5535262, Fax: 60-7-5566272  
[mazlina@fke.utm.my](mailto:mazlina@fke.utm.my), [mazlinae@gmail.com](mailto:mazlinae@gmail.com)  
Official website at [www.fke.utm.my/scored2008](http://www.fke.utm.my/scored2008) or [seminar.spaceutm.edu.my/scored2008](http://seminar.spaceutm.edu.my/scored2008)