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ABOUT UTM

Universiti Teknologi Malaysia (UTM), is a leading innovation-driven entrepreneurial research university in engineering science and technology located both in Kuala Lumpur, the capital city of Malaysia and Johor Bahru, the southern city in Iskandar Malaysia, which is a vibrant economic corridor in the south of Peninsular Malaysia. With a strength of more than 2,000 academic staff, of which more than 200 are foreign graduate faculty members, UTM continuously strive to develop and enhance quality academic and professional programmes of international standard and global recognition. The student population consists of more than 11,000 full-time undergraduate students, more than 6,000 enrolled on distance learning programmes as part-time students and more than 9,000 postgraduate students in various fields of specialisation. Out of this, more than 3,000 are foreign students.

ABOUT MALAYSIA

Malaysia is a land of fascinating sights and attractions. Rich in colour and contrasts, her multi-faceted charm provides intriguing images that leave visitors to the country in awe. With temperature that fluctuates little throughout the year, travel in Malaysia is a pleasure. The natural warmth of Malaysians is legendary, the friendliness and hospitality of the people would prove to be a very special experience. Its sun-drenched beaches, enchanting islands, diverse flora and fauna, forest retreats and magnificent mountains are among the best in this region.

ABOUT JOHOR BAHRU

Johor Bahru sits right next to the national boundary between two inseparably linked countries and has all the blessings and blemishes to show for it. Nowhere else in Malaysia better displays the differences between two intertwining streams of history. Today, the city becomes known as a 'half-price bazaar' for everything from groceries to golf to thousands of Singaporeans, enriched by a strong currency.



Call for Papers



aced2012.fke.utm.my



16th Asian Conference on Electrical Discharge

10 -12 December 2012

The ZON, Johor Bahru
Malaysia

Organized by:
Institute of High Voltage & High Current
Faculty of Electrical Engineering
Universiti Teknologi Malaysia



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Institute of
High Voltage and
High Current
IVAT

RESEARCH UNIVERSITY

Conference Objective

The 16th Asian Conference on Electrical Discharge (ACED 2012) will be held at Johor Bahru, Johor, Malaysia on December 10th-12th, 2012. This is the 16th conference of a series that had its venues in Xian, China (2010), Bandung, Indonesia (2008), Hokkaido, Japan (2006), Shenzhen, China (2004), Seoul, Korea (2002), Kyoto, Japan (2000), Bandung, Indonesia (1998), Bangkok, Thailand (1996), Xian, China (1994), Oita, Japan (1993) and Singapore (1992). The purpose of this conference is to provide a forum for researchers, scientist and engineers to exchange ideas and discuss recent progress in properties, phenomena and applications of electrical discharges. The organizing committee cordially invites you to participate in this conference.

Topic Areas

Original papers on the following topics, but not limited to, are welcome to be submitted:

1. Elementary processes and transport phenomena.
2. Coronas, sparks, surface discharges, high-pressure glows and high-frequency discharges.
3. Plasma chemistry, plasma processing of surfaces and thin film technology.
4. Plasma sources of radiation.
5. Electrical discharge, plasma and their applications.
6. Plasma for environment issues.
7. Lightning discharge phenomena and its measurement.
8. High voltage technology for insulation (diagnostics, on-line monitoring, measurements, testing techniques and quality assurance).
9. Electromagnetic fields, measurement and environmental effects.
10. Intelligent systems in HV engineering: data mining and knowledge rules.
11. Industry application of electrical discharges.
12. Globalization of electrical discharge technology (International standards, etc.)

Language

English is the official language of the conference. All documents must also be written in English.

Submission of Abstract

You are invited to submit an **extended** abstract of about 1500 words to the Conference Secretariat by **31 January 2012** via e-mail: aced2012@fke.utm.my. The extended abstract should include title, author's name(s), affiliation(s), mailing and e-mail addresses, telephone and fax numbers. Kindly refer to the conference website for a template of the extended abstract. The abstract should be in Microsoft Word format. Acceptance or rejection of abstract(s) will be notified by **31 May 2012** to the corresponding author.

Submission of Full Paper

The authors of the accepted papers are requested to submit camera-ready manuscript by **31 August 2012**. The author's kit and detailed instructions for paper preparation and submission will be announced in the conference website: <http://aced2012.fke.utm.my> and/or to authors in other convenient way. All accepted papers will be published in the conference Proceedings. One author may submit at most two papers. There will be additional charge for subsequent additional papers.

Important Dates

Extended abstract due date: **31 January 2012**
Acceptance of abstract: **31 May 2012**
Full Paper due date: **31 August 2012**
Early registration due date: **31 August 2012**
Registration deadline : **1 November 2012**
Conference dates: **10-12 December 2012**

Conference Fees

Registration fees (in USD):

	Early	Normal
Regular	300	325
Student	200	225
Accompany	125	125

The regular registration fee includes conference proceedings, conference CD, welcoming reception, banquet, lunches and coffee breaks. The student registration fee includes conference CD, welcoming reception, banquet, lunches and coffee breaks. Registration for accompanying persons includes welcome reception and banquet. The registration fee must be paid prior to the conference date. Onsite registration is not allowed, except the bank transfer is not possible to be done.

Selected papers will be published in the following journals:

1. *International Journal on Electrical Engineering* (Scopus indexed)
2. *Elektrika*
3. Other journals (to be notified later).

ACED 2012 Secretariat:

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Or visit our **website** at:

<http://aced2012.fke.utm.my>