

"Forging A Better Future"

The International Conference On

**ADVANCES IN MATERIALS
AND PROCESSING
TECHNOLOGIES**

AMPT 2009

Website: <http://www.iiu.edu.my/ampt2009>

26 - 29 October, 2009

Kuala Lumpur, Malaysia



Organized By:



Faculty of Engineering, International Islamic University Malaysia.

Malaysia is located in Southeast Asia with a total landmass of 329,847 square kilometres. The country comprises of two regions which are Peninsular Malaysia and Malaysian Borneo. Malaysian population is over 25 millions with different ethnic groups of Malays, Chinese, Indian and others. The climate of Malaysia is tropical with the temperature of 25–30°C. Its sun-drenched beaches, enchanting islands, diverse flora and fauna, forest retreats and magnificent mountains are among the best in this region.

Kuala Lumpur, the capital of Malaysia, brings together Malaysia's past and present cultures, and remarkable natural treasures. One can experience the rich culture of historic Kuala Lumpur through its art galleries, diverse architectures and craft centres. The natural beauty and variety of local plants and animals through its botanical and bird parks are unparalleled. The delights of Malay, Chinese, Indian and Nyonya cuisines are extremely enjoyable. As the entry point for most visitors and the meeting point of the country's many attractions, Kuala Lumpur is a grand gateway to a fascinating destination.



International Islamic University Malaysia (IIUM)

The International Islamic University Malaysia (IIUM) was established in 1983 by the Government of Malaysia and co-sponsored by Organization of Islamic Conference (OIC). Using English as a medium of instruction, the university currently serves as a higher learning institution for 20,000 students from more than 90 countries. In 2008 IIUM celebrated the 25th Anniversary.

AMPT Conference

Advances in Materials and Processing Technologies (AMPT) conference founded in 1993 at the Dublin City University, Dublin, Ireland and was held there in 1993, 1995, 1999 and 2003. Moreover, it has taken place so far in Portugal in 1997, Malaysia in 1998, Spain in 2001, Poland in 2004, USA in 2006, South Korea in 2007 and Kingdom of Bahrain in 2008. The conference provides a chance for academics, researchers, scientists and engineers to meet and exchange innovative ideas and information in all aspects of advances in materials and processing technologies.



AMPT Steering Committee

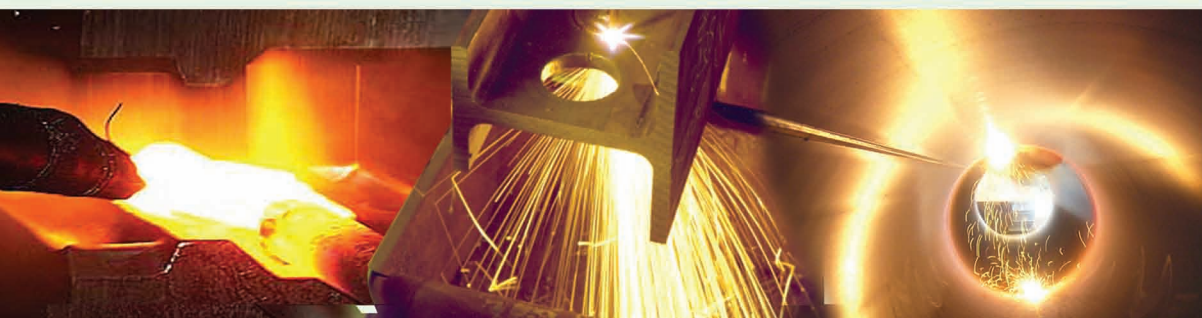
Prof. Hashmi MSJ (Chairman)	Ireland	Prof. Johnson W	UK
Prof. Andritschky M	Portugal	Prof. Lawler J	Ireland
Prof. Al-Sulaiman F	Saudi Arabia	Prof. Monaghan J	Ireland
Prof. Buggy M	Ireland	Prof. Reid SR	UK
Prof. Dobrzan'ski LA	Poland	Prof. Sulaiman S	Malaysia
Prof. Gunasekera JS	USA	Prof. Torralba JM	Spain
Prof. Im YT	Korea	Prof. Travis FW	UK
Prof. Ismail AF	Malaysia	Prof. Yilbas BS	Saudi Arabia

National Advisory Committee

Prof. Ismail AF (Chairman)	IIUM	Prof. Yusof NM	UTM
Prof. Adesta EYT (Secretary)	IIUM	Prof. Shukor MH	UM
Prof. Sulaiman S	UPM	Prof. Muhamad N	UKM
Prof. Shaharoun AM	UTM	Prof. Omar MA	SIRIM
Prof. Haron CHC	UKM	Prof. Amin AKMN (Coordinator)	IIUM

Executive Organizing Committee

Chairman:	Prof. Ismail AF
Co - chairman :	Prof. Shafie AA
Vice Chairman:	Prof. Amin AKMN
Technical Chair:	Prof. Mridha S
Secretary:	Prof. Adesta EYT
Assoc. Secretaries:	Prof. Anuar H
	Prof. Sopyan I
Finance:	Kadir NA
	Mahadi H



Members:

Prof. Mahmoud AM

Prof. Afzeri

Prof. Ahmad Z

Prof. Ahmed MI

Prof. Alam AHMZ

Prof. Ali MY

Prof. Alam MZ

Prof. Asrar W

Prof. Azram M

Prof. Cetiner BG

Prof. Daud MRHC

Prof. Daoud JI

Prof. Faris WF

Prof. Halim Z

Prof. Haque MM

Prof. Ihsan SI

Prof. Karim ANM

Prof. Khalifa OO

Prof. Khan AA

Prof. Khan R

Prof. Konneh M

Prof. Maleque MA

Prof. Martono W

Prof. Mohamad SA

Prof. Muyibi SA

Prof. Purwanto H

Prof. Salami MJE

Prof. Sutjipto AGE

Prof. Yusoff WAW

Amir A

Rashid ZANR

Alias TY

Hussain Z

International Sponsorship Committee

Prof. Al-Sulaiman F (Chairman)
KFUPM, Kingdom of Saudi Arabia

(Sponsorships from Saudi Arabia & the Gulf region)

Prof. Yilbas BS (Co-Chairman)
KFUPM, Kingdom of Saudi Arabia

Prof. Hashmi MSJ (Co-Chairman)
DCU, Ireland

(Sponsorship from Ireland, UK & Europe)

Prof. M. Radzi HCD (Co-Chairman)
IIUM, Malaysia

(Sponsorship from Malaysia, Japan & ASEAN)

Prof. Amin AKMN (Coordinator)
IIUM, Malaysia



Industrial Advisory and Exhibition Committee

Prof. Sulaiman S	(Chairman)	UPM, Malaysia
Dr. Fadhli H	(Co-Chairman)	Saudi Aramco/ASM, Saudi Arabian
Prof. Yilbas BS		KFUPM, Kingdom of Saudi Arabia
Prof. Hashmi MSJ		DCU, Ireland
Prof. Khan AA		IIUM, Malaysia
Representative from Petronas		
Representative from Proton		
Representative from Perodua		
Prof. Amin AKMN	(Coordinator)	IIUM, Malaysia

International Technical Advisory Board

Prof. Ahmad ZA	Malaysia	Prof. Lee LC	Singapore
Prof. Azhari CH	Malaysia	Prof. Mahdavian M	Australia
Prof. Azim MA	Bangladesh	Prof. Marinescu ID	USA
Prof. Azushima A	Japan	Prof. Merah N	Saudi Arabia
Prof. Bayraktar E	France	Prof. Merchant ME	USA
Prof. Brown CA	USA	Prof. Qureshi MI	Pakistan
Prof. Brussel HV	Belgium	Prof. Rahman M	Singapore
Prof. Dobrzan'ski LA	Poland	Prof. Raj B	India
Prof. Engel U	Germany	Prof. Rao BPC	India
Prof. Fukuda T	Japan	Prof. Sarwar M	UK
Prof. Ghosh A	India	Prof. Sha W	Ireland
Prof. Hashmi MSJ	Ireland	Prof. Shaharoun AM	Malaysia
Prof. Hodgson P	Brazil	Prof. Shaw MC	USA
Prof. Im YT	Korea	Prof. Shehata F	Egypt
Prof. Jackson M	UK	Prof. Sulistijono	Indonesia
Prof. Jawahir IS	USA	Prof. Tan MJ	Singapore
Prof. Katalinic B	Austria	Prof. Tieu AK	Australia
Prof. Kreutzbr M	Germany	Prof. Travis FW	UK
Prof. Krishnamurthy R	India	Prof. Triyogi Y	Indonesia
Prof. Kuichi M	Japan	Prof. Xiatong H	China
Prof. Lee JM	Korea	Prof. Yilbas BS	Saudi Arabia

Conference Venue & Accommodation

7

The conference will take place at the The Legend Hotel of Kuala Lumpur. It is the five stars business class hotel in the heart of Kuala Lumpur. The hotel is located 10 minutes away from the city's bustling 'Golden Triangle'. It is located next to Malaysia's premier convention complex, the Putra World Trade Centre (PWTC) and next to the Putra Mall. The hotel is easily accessible by public transport and is within a walking distance to the Putra Light Rail Transit (LRT) station and the PWTC Komuter Station.

An exceptional hotel with a level of hospitality that goes beyond normal range of luxurious hotel, The Legend Hotel is an apt ambassador of the legendary Malaysian charm and friendliness, accompanied by uncompromising world - class standards. Arrangements will be made with the hotel for accommodation of the AMPT 2009 delegates with discount rates. Detail information will be available in the conference website.

(Website: <http://www.iiu.edu.my/ampt2009>)





The scope of the AMPT 2009 Conference will cover all topics of processing of materials including but not limited to metals, ceramics, polymers and composites in the following areas:

1. Forming Processes :

Bulk forming, Net-shape, Manufacturing, Sheet Forming, Spinning, Hydro-forming, High rate forming processes, Powder Forming–compaction, Sintering, Injection Molding, CIP, HIP.

2. Casting and Joining :

Casting and Solidification Processes, Welding, Brazing and Soldering, Mechanical Fastening and Adhesive Bonding, Heat Treatment, Thermomechanical Treatments.

3. Materials :

Metallic materials, Ceramics, Polymers, MMC, PMC, CMC, Biomaterials, Magnetic materials, Electronic materials, Semiconductor and other advanced materials.

4. Materials Removal Processes :

Metal Cutting, High Speed Machining, Hot Machining, Grinding, Advanced machining processes, ECM, EDM, WJM.

5. High Energy Beam Processing:

Laser and Electron Beam in Cutting, Welding, Surface Melting, Surface Hardening.

6. Precision Engineering and Nanotechnology :

Electroforming, Microforming, Microalloying, Near Net-shape Manufacturing, MEMS, Nanofabrication, Nanofilms.

7. Surface Engineering :

Surface coating by Electro and Electroless Plating, PVD, CVD, Thermal Coating, Nitriding, Carburising, Boriding.

8. Computer Aided Engineering :

FEA, CAD, CAM, CIM, Rapid Prototyping, Modelling and Simulation.

9. Management in Manufacturing and Environmental Issue :

Industrial Pollution, Safety, Ergonomics and Ethical Aspects, Sustainable Design in Manufacturing, Waste Management and Recycling, Quality Control, Management and Economic Aspects in Production Processes.

Submission of Abstract & Publication

9

An extended abstract of about 300 words should be submitted to the conference secretariat. Authors of accepted abstracts will be notified to submit full papers. All papers accepted for presentation at the AMPT 2009 conference will be peer reviewed for publication in special issues of the journals:

1. Advanced Materials Research.
2. Journal of Achievements in Materials and Manufacturing Engineering
3. Arabian Journal of Science and Engineering.
4. Journal of Mechanical Science and Technology.

Additionally, with the agreements of the Editors, a small number of selected papers will be directed to the following journals for further review for publication in regular issues:

1. CAD Computer-Aided Design.
2. International Journal of Mechanical Sciences
3. Surface and Coatings Technology
4. The International Journal of Material Forming

A book of Abstracts will be published by the conference organizers and made available to all the delegates attending the conference. No separate conference proceedings will be published.

Important Dates

- | | |
|----------------------------|----------------------------|
| • Submission of Abstract | 31 March, 2009 |
| • Acceptance of Abstract | 15 April, 2009 |
| • Submission of Full Paper | 31 July, 2009 |
| • Acceptance of Full Paper | 1 st Sept, 2009 |
| • Early Bird Registration | 15 August, 2009 |

Registration Form

International Islamic University Malaysia
Gombak, Kuala Lumpur, Malaysia

Name: _____

Institution: _____

Postal Address: _____

Tel: () _____

Fax: () _____

Email: _____

Please tick (✓) in the appropriate boxes below:

- ☐ I plan to attend the conference without paper presentation
- ☐ I intend to present a paper at the conference and enclose a copy of the abstract entitled

CONFERENCE FEE AND REGISTRATION

Registration fees	Early Bird (Paid by 15 August 2009)	Regular
International Participants	USD 450	USD 550
Local Participants	RM 1200	RM 1500
Student (International)	USD 300	USD 350
Student (Local)	RM 750	RM 850

The registration fee includes the cost of the conference proceedings, admission to all technical sessions, presentation of up to two papers, banquet dinner, meals and refreshments.

Payment of registration fee can be made by credit card online through <http://www.iiu.edu.my/ampt2009> or by bank draft payable to "IIUM (AMPT2009)".

Contact us at:

Secretary, AMPT 2009
Faculty of Engineering
International Islamic University Malaysia
P.O. Box 10, 50728 Kuala Lumpur, Malaysia
Tel: (603) 6196 4452 / 4450
Fax: (603) 6196 4477 / 4853
Email: amptmme@gmail.com
Website: <http://www.iiu.edu.my/ampt2009>

Benefits Offered to Sponsoring Company

Website: <http://www.iiu.edu.my/ampt2009>

1) ELITE PLATINUM SPONSOR: OVER US\$ 75,000

- a Company name and logo of appropriate sizes will be published in all the conference publicity materials as Elite Platinum Sponsor.
- b Entitled for space at the exhibition hall (if required).
- c Five non-author delegates from the sponsoring company may attend the conference with full package (registration + accommodation) free of charge.
- d Publicity materials will be included in the conference pack.
- e Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- f Two full page advertisement shall be provided in the Exhibition Guide (if any) to the Elite Platinum Sponsor.
- g Sponsored company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- h Executive Officers will be treated as VIPs during the event and official lunches and dinner.
- i Large Company logo will be displayed in the conference hall along with the conference banner and outside lobby.
- j Company name and logo will be published in the program book.
- k A honorary Gold medal will be awarded.
- l Honored with the conference dinner.

2) PLATINUM SPONSOR: US\$ 50,000 TO US\$ 70,000

- a Company name and logo of appropriate sizes will be published in all the conference publicity materials as Platinum Sponsor.
- b Entitled for space at the exhibition hall (if required).
- c Three non-author delegates from the sponsoring company may attend the conference with full package (registration + accommodation) free of charge.
- d Publicity materials will be included in the conference pack.
- e Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- f Two full page advertisement shall be provided in the Exhibition Guide (if any) to the Platinum Sponsor.
- g Sponsored company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- h Executive Officers will be treated as VIPs during the event and official lunches and dinner.
- i Large Company logo will be displayed in the conference hall along with the conference banner and outside lobby.
- j Company name and logo will be published in the program book.
- k A honorary Gold medal will be awarded.
- l Honored with the conference dinner.

3) ELITE GOLD SPONSOR: US\$ 30,000 TO US\$ 45,000

- a Company name and logo of appropriate sizes will be published in all the conference publicity materials as Elite Golden Sponsor.
- b Entitled for space at the exhibition hall (if required).
- c Two non-author delegates from the sponsoring company may attend the conference with full package (registration + accommodation) free of charge.
- d Publicity materials will be included in the conference pack.
- e Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- f A full page advertisement shall be provided in the Exhibition Guide (if any) to the Elite Gold Sponsor.
- g Sponsored company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- h Executive Officers will be treated as VIPs during the event and official lunches and dinner.
- i One banner will be displayed in the conference hall, lobby and exhibition hall.
- j Company name and logo will be published in the program book.
- k A honorary Gold medal will be awarded.
- l Honored with the conference dinner.

12 AMPT 2009

Benefits Offered to Sponsoring Company

Website: <http://www.iiu.edu.my/ampt2009>

4) GOLD SPONSOR: US\$ 15,000 TO US\$ 25,000

- a Company name and logo of appropriate sizes will be published in all the conference publicity materials as Golden Sponsor.
- b Entitled for space at the exhibition hall (if required).
- c Two non-author delegates from the sponsoring company may attend the conference with full package (registration + accommodation) free of charge.
- d Publicity materials will be included in the conference pack.
- e Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- f A full page advertisement shall be provided in the Exhibition Guide (if any) to the Golden Sponsor.
- g Sponsored company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- h Executive Officers will be treated as VIPs during the event and official lunches and dinner.
- i One banner will be displayed in the conference hall, lobby and exhibition hall.
- j Company name and logo will be published in the program book.
- k A honorary Gold medal will be awarded.
- l Honored with the conference dinner.

5) SILVER SPONSOR: US\$ 5,000 TO US\$ 10,000

- a Company name and logo of appropriate sizes will be published in all the conference publicity materials as Silver Sponsor.
- b Entitled for space at the exhibition hall (if required).
- c One non-author delegate from the sponsoring company may attend the conference with full package (registration + accommodation) free of charge.
- d Publicity materials will be included in the conference pack.
- e Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- f A half page advertisement shall be provided in the Exhibition Guide (if any) to the Silver Sponsor.
- g Sponsored company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- h Executive Officers will be treated as VIPs during the event and official lunches and dinner.
- i One banner will be displayed in the conference hall.
- j Company name and logo will be published in the program book.
- k A honorary Silver medal will be awarded.
- l Honored with the conference dinner.

6) BRONZE SPONSOR: US\$2,000 TO US\$ 4,500

- a Company name and logo of appropriate sizes will be published in all the conference publicity materials as Bronze Sponsor.
- b One non-author delegate from the sponsoring company will be invited in the conference dinner free of charge.
- c Publicity materials will be included in the conference pack.
- d Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- e A quarter page advertisement shall be provided in the Exhibition Guide (if any) to the Bronze Sponsor.
- f Sponsored company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- g Executive Officers will be treated as VIPs during the event and official lunches.
- h One banner of Bronze Sponsor will be displayed in the conference hall.
- i Company name and logo will be published in the program book.

Benefits Offered to Sponsoring Company

Website: <http://www.iiu.edu.my/ampt2009>

7) CONFERENCE DINNER SPONSOR: US\$ 20,000

- a Company name and logo will be published in all the conference publicity materials as Conference Dinner Sponsor.
- b Entitled for space with at the exhibition hall (if required).
- c Two non-author delegates from the sponsoring company may attend the conference with full package (registration + accommodation) free of charge.
- d Publicity materials will be included in the conference pack.
- e Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- f A full page advertisement shall be provided in the Exhibition Guide (if any) for the Dinner Sponsor.
- g Sponsored company will be honored with a Plaque by the Conference Patron at the opening ceremony.
- h Executive Officers will be treated as VIPs during the event and at the official lunches and dinner.
- i One banner will be displayed at the Dinner Venue.

8) LUNCHEON SPONSOR: US\$ 10,000

- a Company name and logo will be published in all the conference publicity materials as Luncheon Sponsor.
- b Entitled for space at the exhibition hall (if required).
- c One non-author delegate from the sponsoring company may attend the conference with full package (registration + accommodation) free of charge.
- d Publicity materials will be included in the conference pack.
- e Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- f A half page advertisement shall be provided in the Exhibition Guide (if any) for the Luncheon Sponsor.
- g Sponsored company will be honored with a Plaque by the Conference Patron at the opening ceremony.
- h Executive Officers will be treated as VIPs during the event and at the official lunches and dinner.
- i Extra 4 additional Invitations will be provided for Lunch
- j One banner will be displayed at the Lunch Venue.

9) OPENING CEREMONY RECEPTION SPONSOR: US\$ 4,000

- a Company name and logo of appropriate sizes will be published in all the conference publicity materials as Opening Ceremony Sponsor.
- b Three persons from the sponsoring company will be invited to the conference dinner free of charge.
- c Publicity materials will be included in the conference pack.
- d Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- e A quarter page advertisement shall be provided in the Exhibition Guide (if any) to the Opening Ceremony Reception Sponsor.
- f Sponsored company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- g Executive Officers will be treated as VIPs during the event and official lunches.
- h One banner of the Sponsor will be displayed in the conference hall.
- i Company name and logo will be published in the program book.

10) W. JOHNSON INTERNATIONAL GOLD MEDAL SPONSOR: US\$ 4,000

- a Company name and logo of appropriate sizes will be published in all the conference publicity materials as W. Johnson Intl. Gold Medal Sponsor.
- b Three persons from the sponsoring company will be invited to the conference dinner free of charge.
- c Publicity materials will be included in the conference pack.
- d Company name and logo with a brief profile will be published in the conference web site which shall be connected to the Sponsor's web site.
- e A quarter page advertisement shall be provided in the Exhibition Guide (if any) to the Intl.Gold Medal Sponsor.
- f Sponsored company will be honored with a Plaque by the Conference Patron at the Opening Ceremony.
- g Executive Officers will be treated as VIPs during the event and official lunches.
- h One banner of the Sponsor will be displayed in the conference hall.
- i Company name and logo will be published in the program book.

AMPT 2009

Website: <http://www.iiu.edu.my/ampt2009>

SPONSORSHIP REGISTRATION

AMPT Conference & Exhibition , 26 - 29 October 2009
Grand Ballroom , Best Western Premier Seri Pacific Hotel, Kuala Lumpur, Malaysia

To co-sponsor the International Conference on AMPT2009 ,
Please complete this form and fax to (603) 61964853/4477 to the attention of:

Secretary, AMPT 2009
Faculty of Engineering
International Islamic University Malaysia
P.O. Box 10, 50728 Kuala Lumpur, Malaysia
Tel: (603) 61964452/4450 Fax: (603) 61964853/4477
or Email: amptmme@gmail.com

OUR COMPANY IS PLEASED TO SPONSOR THE FOLLOWING CONFERENCE EXPENSES		
<input type="radio"/>	Elite Platinum Sponsor	OVER US\$ 75,000
<input type="radio"/>	Platinum Sponsor	US\$ 50,000 TO US\$ 70,000
<input type="radio"/>	Elite Gold Sponsor	US\$ 30,000 TO US\$ 45,000
<input type="radio"/>	Gold Sponsor	US\$ 15,000 TO US\$ 25,000
<input type="radio"/>	Silver Sponsor	US\$ 5,000 TO US\$ 10,000
<input type="radio"/>	Bronze Sponsor	US\$2,000 TO US\$ 4,500
<input type="radio"/>	Conference Dinner	US\$ 20,000
<input type="radio"/>	Luncheon	US\$ 10,000
<input type="radio"/>	Opening Ceremony	US\$ 4,000
<input type="radio"/>	W. Johnson Gold Medal	US\$ 4,000

Company: _____

Contact Person: _____

Mailing Address: _____

City: _____ Country: _____ Postal Code: _____

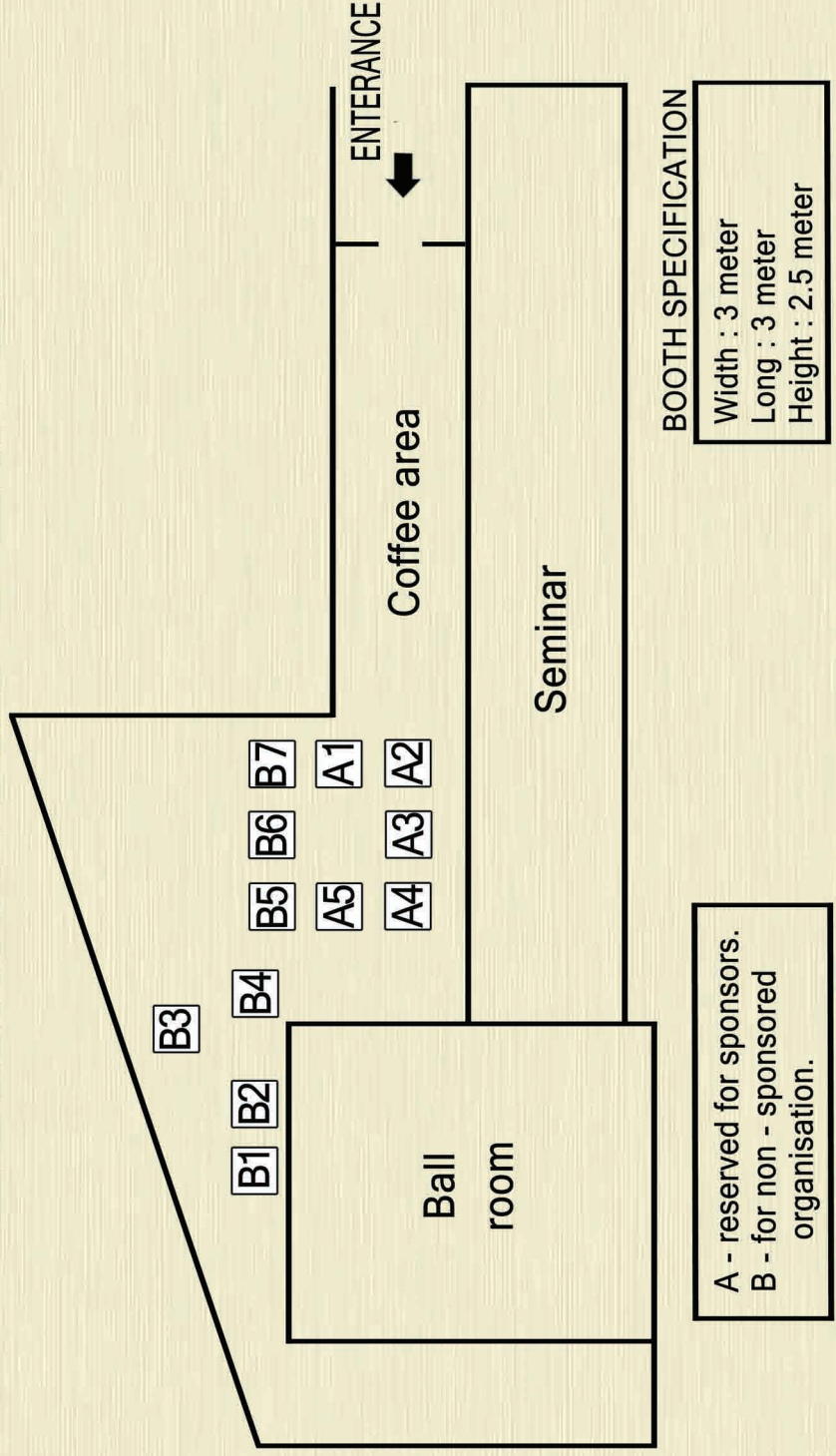
Telephone: _____ Fax: _____ Email: _____

Signature: _____ Date: _____

Payment may be made by Bank Draft payable to:
" IIUM - AMPT 2009 "

International Islamic University Malaysia
P.O. Box 10, 50728 Kuala Lumpur, Malaysia
Tel: (603) 61964452/4450 Fax: (603) 61964853/4477
or email: amptmme@gmail.com

EXHIBITION STAND LAYOUT



For non - sponsored organisation the exhibition
booth cost : US\$ 2000