



INSTITUTE OF MATERIALS, MALAYSIA (Formerly the Malaysian Materials Science & Technology Society)

The Malaysian Materials Science & Technology Society (MMS) was registered with the Registrar of Societies on 6th November, 1987. The MMS was actively promoting the awareness of Materials in Malaysia since 1988. In 1996, with a newly-elected Council, the change of name to the Institute of Materials, Malaysia (IMM) was submitted to the Registrar of Societies and approved on 16th June 1997. The new name was to be synergistic with the rest of the world. For example in the case of the United Kingdom, The Institute of Metals, The Institute of Ceramics and The Plastics & Rubber Institute were merged into a single Institute of Materials in 1992 where its Members are recognised as professionals with the status of a Chartered Engineer (C.Eng).

Membership to the IMM is open to all individuals and companies interested in developing the contribution of Materials science, technology and engineering towards industrial growth in Malaysia. The technology of Materials is advancing day-by-day throughout the world. We, in Malaysia, must keep up with the pace of technological advancement.

The objectives of the IMM include the training and development of individuals and companies in Malaysia to attain professional recognition in various fields of Materials science, technology and engineering. Materials cover a very wide field such as metals, polymers, rubber, wood, concrete, ceramics, semiconductors, advanced materials, cellulose, textiles, etc. Membership to the IMM will enable networking and exchange of knowledge from a very wide variety of specialized areas of expertise.

The longterm objective of the IMM is to attain professional status for its members in line with that which is accorded to the other disciplines of engineering.

The IMM is also committed to seeking affiliations with overseas Materials and Engineering/Scientific professional institutions to gain access to technological developments worldwide. This will ensure that we, in Malaysia, will not be left behind.

MATERIALS BULLETIN
A PUBLICATION OF THE INSTITUTE OF MATERIALS MALAYSIA

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Ir. Mohd. Raziff Embi (Teknik Janakuasa S/B)

Mr. David Lim Chee Cheong (Esso Production (M) Inc.)

En. Zainuddin Ishak (Petronas Gas Bhd)

En. Mohd. Adaham Abdullah (Petronas Carigali S/B)

Mr. Bob Phang (Haven Corrosion Engineering S/B)

Dr. Esah Hamzah (University Teknologi Malaysia)

Mr. Kang Kim Ang (Steelcon Fluid S/B)

Puan Maimunah Ismail (Sarawak Shell Berhad)

Prof. Madya Dr. Teh Ser Kok (Universiti Malaya)

Dr. Lim Ching Liang (METACOS S/B)

Prof. Madya Dr. Che Husna Azhari (Universiti Kebangsaan Malaysia)

Puan Wan Zaharah (SIRIM Bhd)

Dr. Ong Eng Long (Malaysian Rubber Board)

En. Abdul Menim A. Shakir (Petronas Penapisan Terengganu Sdn. Bhd.)

INTERNAL AUDITORS (1998/99)

Dr. Jamaliah Idris - Universiti Teknologi Malaysia

Ir. Mohd. Nor Basar - MPE Lindung Sdn. Bhd.

SECRETARIAT NEWS

ANNUAL GENERAL MEETING

The next (9th) AGM will be held on 23rd & 24th March, 1999 in conjunction with the 2nd Regional Conference on Materials Technology with the theme, "Polymers for the Oil & Gas Industry in the Next Millenium". The venue will be at a hotel in Kuala Lumpur. For more details, refer to the Polymers Committee page.

PROPOSED CHANGE TO RULES

A change of the IMM Rules will be proposed at the AGM to include the establishment of Regional Branches. Members are requested to attend the AGM to find out more.

IMM - CORAL PROTECTIVE COATINGS TECHNICIAN TRAINING & CERTIFICATION SCHEME

In the upcoming standard protective Coating Specification for EP (Exploration & Production) Oil & Gas blasting and painting industry, similar to their welding and scaffolding counterparts, blasters & painters will also require certification before they are accepted to work on PETRONAS Production Sharing Contractors (PSC) worksite.

This is in response to industry identifying this need. Traditionally, blasters and painters acquire their trade through on-the job experience. There were very limited opportunity for formal training nor do they have much opportunity to undergo formal assessment/certification.

In the Malaysian EP industry, the total cost from rework, in-service repair and total recoating is estimated at a staggering RM45m annually. A CORAL (Cost Reduction Alliance; an industry-wide initiative to reduce the cost-base of the Malaysian Petroleum Industry, spearheaded by PETRONAS) project team was charged to formulate a fit-for-purpose programme and help the industry to implement at the lowest investment cost. The

Institute of Materials, Malaysia (IMM) stepped forward and volunteered to run the programme on a non-profit basis. This is in-line with it's charter to advance the Malaysian industry in the area of materials and corrosion management. The industry were invited to Forums organized by IMM, IEM and OSFAM to further disseminate this as well as gather implementation lesson's learnt for further improvement.

The Scheme Co-ordinators, Ir. Ong Chong Hup, and Mr. David Lim Chee Cheong explained that the training and certification programme will be coordinated by IMM who will also register the candidates, and issue the certificates. To minimise cost, the theory followed by practical tests can be conducted by IMM certified trainers at respective contractors sites throughout Malaysia. In addition to enhancing their business marketability, the benefits to application contractors could also come from cost savings in reduced rework, rejects and any consequential impact on their project schedules.

The programme started from May 1998. Initially, priority will be given to candidates already engaged in the industry to meet the effective date of 01/01/1999 when certification becomes mandatory. Besides conferring formal recognition as skilled tradesman, it will also enable the holders to be qualified for employment throughout the Malaysian EP industry and possibly even further. IMM currently has working relationship with Launceston College of TAFE, Australia, National Association of Corrosion Engineers, (NACE) U.S.A. and Offshore Structures Fabricators Association of Malaysia (OSFAM), and in future, the aspiration is to push the recognition wider. Links have been also been established with CIDB (Construction Industry Development Board).

This CORAL programme aims to help elevate our Malaysian skills to be more internationally recognised and able to follow Malaysian Oil & Gas companies in their venture abroad.

Implementation investment cost was a big concern. With good co-operation from the industry and a common subscription to CORAL objectives, the CORAL project team comprising of application contractors, manufacturers, PETRONAS Production Sharing Contractors(PSC) and industry professionals, led by Marvin Ooi Beng Chong of Sarawak Shell Bhd., succeeded in setting up the programme, negotiating with IMM to run it at very special rates and mobilising the industry. On IMM's side, up to 31/12/98, only RM30 each is required from company sponsored IMM members if his company is registered with IMM. For company sponsored candidates but non-IMM members, it is RM80 per head. Manufacturers have agreed to provide their technical trainers, while blasting & painting contractors will provide their own site and facilities for the training as well as make available their workers for the training and certification. Contrast this with other programmes and one can readily appreciate the achievements and special concessions that have been made. It is a good case of "from the industry, by the industry and for the industry", proving what can be achieved if all Malaysians work together.

To date 186 candidates have been trained and certified while another 161 candidates has registered before the closing date under the IMM scheme and they will be trained within December 1998, January 1999 and February 1999.

The CIDB will administer the scheme with effect from March 1999 in collaboration with IMM and OSFAM. As the IMM-run scheme has closed, all candidates who have not registered previously, will have to register under the CIDB scheme from March 1999.

All interested parties can contact IMM (Puan Rohaya Rahim) at 03-5218228 (tel), 03-5216116 (fax) or OSFAM (En. Azaddin Aziz) at (tel) 07-2512901, or (fax) 07-2514267.

EAST COAST COMMITTEE

The East Coast Committee was activated on 17th June 1998 in Kertih, Terengganu. The Committee Members comprised of :-

En. Raja Zahiruddin (PCSB)
Mr. Harry Woon (Bredero Price)
Mr. Gary Toft (Drexel Bakti)
Mr. Woo Kok Low (EPMI)
En. Senu Md. Noor (PPTSB)
En. Aznan Bidin (Bredero Price)
En. Mohd. Zuhaimi Zubie (PPTSB)
Mr. Narendran (PCSB)
Mr. Don Lefevre (EPMI)
Mr. Lim Kong Soon (Tepat Teknik)
En. Rahim Bin Bumin (EMSB)
Mr. K.Y. Sham (Petropipe)
Mr. Graham Cowan (Petropipe)
En. Muhd. Hasbi Abd. Razak (PCSB)

The East Coast Committee has conducted numerous training sessions for the IMM-CORAL Protective Coatings Technician Certification Programme in Kertih, Kemaman and Kuantan between July and December 1998.

A number of activities has been planned for 1999. The first activity, scheduled by 1st week of February 1999 is a seminar on pipeline coatings followed by a plant visit to the new Bredero Price pipe-coating plant in Kuantan. For further enquiries, please contact any of the key East Coast Committee office-bearers listed below.



(Photo courtesy of Bredero Price - Kuantan, Training of IMM-CORAL Protective Coatings Technician Training & Certification Scheme)

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MEMBERSHIP APPLICATION FORM
(Confidential)

APPLICATION FOR COMPANY MEMBER/ORDINARY MEMBER/FELLOW(FIMM)/
MEMBER(MIMM)/ASSOCIATE MEMBER(AMIMM)/STUDENT MEMBER *

(I) PERSONAL PARTICULARS (photocopy of I.C./Passport to be submitted)

NAME IN FULL (MR/MS/DR): _____
(BLOCKS LETTERS)

RESIDENCE/POSTAL ADDRESS: _____

TELEPHONE NO. : HOUSE: _____ DATE OF BIRTH: _____

PLACE OF BIRTH: _____

NATIONALITY: _____ PASSPORT/I.C. NO. _____

(II) NAME OF EMPLOYER/COMPANY

TITLE OR POSITION: _____

ADDRESS: _____

TELEPHONE NO: _____ FAX NO: _____

**BASIC QUALIFICATIONS, TECHNOLOGICAL EDUCATION, HONOURS, DECORATIONS AND AWARDS;
MEMBERSHIP OF OTHER ENGINEERING AND SCIENTIFIC BODIES.**

(One photocopy of document to be submitted)

(III) FOR STUDENT MEMBERSHIP ONLY

COURSE OF STUDY: _____ YEAR OF STUDY: _____

NAME OF UNIVERSITY/COLLEGE: _____

ADDRESS: _____

TELEPHONE NO: _____ FAX NO: _____

The above student is allowed to join the Institute.

Signed: _____

Name: _____

Designation: _____

Date: _____

University/College Chop

(IV) COMPANY PARTICULARS (FOR COMPANY MEMBERSHIPS)

COMPANY NAME: _____

ADDRESS: _____

TELEPHONE NO: _____ TELEX NO: _____ FAX NO: _____

PRINCIPAL REPRESENTATIVE
(MR/MS/DR) _____ POSITION: _____

ALTERNATE REPRESENTATIVE
(MR/MS/DR) _____ POSITION: _____

NOTE: 2 passport-size photos of each representative to be submitted with name written on back of photo.

**(V) FOR CORPORATE MEMBERSHIPS OF FELLOW (FIMM),
MEMBER(MIMM) & ASSOCIATE MEMBER (AMIMM) ONLY**

The following information shall be provided and verified by the Proposer. One copy of all supporting documents (Degrees, etc) to be submitted and certified by the proposer.

TECHNICAL EDUCATION AND ACADEMIC QUALIFICATIONS:

Educational Establishment	Course	Year	Verified

TRAINING EXPERIENCE:

Establishment	Position	Year	Verified

INDICATE INDUSTRY INVOLVED OR INTERESTED IN :-

- | | | | |
|---------------------|-----|-------------------------|-----|
| METALLURGY | () | CORROSION PROTECTION | () |
| MATERIALS FAILURE | () | COMPOSITE MATERIALS | () |
| MATERIALS DESIGN | () | CONCRETE TECHNOLOGY | () |
| MATERIALS RESEARCH | () | WOOD TECHNOLOGY | () |
| POLYMER TECHNOLOGY | () | EDUCATIONAL INSTITUTION | () |
| CERAMICS TECHNOLOGY | () | OTHERS (SPECIFY) _____ | () |
| WELDING | () | | |

I/We hereby accept responsibility for the accuracy of the particulars contained in this application form.

Date: _____

Signature: _____
(and Company Stamp)

Proposer : _____

Secunder: _____

Name: _____

Name: _____

Membership Grade & No: _____

Membership Grade & No: _____

*Delete whichever not applicable.

NB: If proposer and seconder cannot be sourced, mail this form to the Secretariat for assistance.

SCHEDULE OF FEES

	Entrance Fee	Processing Fee	Transfer Fee	Annual Subscription
Company Member	RM50.00	-	-	RM200.00
Ordinary Member	RM20.00	-	-	RM20.00
Fellow(F.I.M.M.)	-	RM300.00	RM10.00	RM70.00
Member(M.I.M.M.)	-	RM150.00	RM10.00	RM50.00
Associate Member (A.M.I.M.M.)	-	RM150.00	RM10.00	RM30.00
Student Member	RM10.00	-	-	RM5.00

NB: ALL PAYMENTS TO BE MADE OUT BY CROSSED CHEQUE, BANK DRAFT, OR MONEY ORDER TO "INSTITUTE OF MATERIALS, MALAYSIA". ALL APPLICATIONS MUST BE ACCOMPANIED BY THE APPROPRIATE PAYMENTS. APPLICATIONS MADE BETWEEN JULY AND DECEMBER NEED TO PAY 50% OF THE ANNUAL SUBSCRIPTION.

ENCLOSED IS MY/OUR CHEQUE/BANK DRAFT/MONEY ORDER NO: _____
FROM BANK _____ FOR THE AMOUNT OF
RM _____.

IMM Membership Grades

Company Member

Any company that is involved or has interest in Materials Science and Engineering will be qualified to join as a company member. All employees of a Company Member are entitled to attend Institute functions at membership rate, however, only the Principal Representative or the Alternate Representative shall have voting rights.

Ordinary Member

Any person above the age of 21 years engaged in activities related to research, development and applications in Materials Science and Engineering shall qualify for Ordinary Membership. Only Ordinary Members who meet the necessary minimum requirements may apply for transfer to corporate membership grades of Fellow, Member and Associate Member and may use the abbreviated titles upon transfer

Honorary Fellow (Hon. F.I.M.M.)

The Council shall have the power to elect Honorary Fellows who shall be persons of eminence in science or industry. The election shall be based on a majority vote within the Council. Honorary Fellows shall enjoy such privileges as may from time to time be determined by the Council.

Fellow (F.I.M.M.)

A person at least 35 years of age with approved academic qualifications, training and 8 years relevant responsible experience who has made significant contributions to the science and practice of profession of Materials Science and Engineering or has given distinguished service to industry or education.

Member (M.I.M.M.)

A person at least 25 years of age, with approved academic qualifications and training, having at least 3 years responsible experience in Materials Science and Engineering.

OR

A person at least 40 years of age, with at least 15 years of experience with practical responsibility, as demonstrated by thesis and interview.

Associate Member (A.M.I.M.M.)

A person at least 25 years of age, who possesses an interest in Materials Science and Engineering but will not yet have acquired the necessary experience or obtained the qualifications governing entry to Member grade. An Associate Member, on obtaining the necessary qualifications, may apply for transfer to Member grade.

Student Member

A student member shall be a person not under 17 years of age who at the time of application satisfies the Council that he has received a good general education and is studying subjects related to Materials Science and Engineering. A student member shall transfer to the grade of Ordinary Member after attaining the age of 21 years provided he or she is suitably qualified and as soon as he or she is earning a full-time salary. A Student shall not become a member of the IMM without the prior approval of the Vice-Chancellor of the university or relevant authority concerned.

Certificate of Membership

Every member shall receive a membership certificate.

Every application for membership shall be proposed and seconded by two existing ordinary members and shall be forwarded to the Honorary Secretary who shall, at the first convenient opportunity, submit it to the Council for approval. The Council may at its discretion reject any application without assigning any reason thereof.

Each company on admission shall be entitled to nominate one representative to exercise all rights of membership. Only representatives of Company membership and Ordinary members shall have the right to vote and to hold office in IMM.



INSTITUT BAHAN MALAYSIA
Institute of Materials, Malaysia

Date :

NOTICE OF ANNUAL GENERAL MEETING

TO:

FAX :

Notice is hereby given that the 9th Annual General Meeting of the IMM will be held at :-

Venue : Sheraton Hotel Subang Jaya
Date : 25th March 1999 , Thursday
Time : 5.00 p.m. to 6.00 p.m.

AGENDA

1. To approve the Minutes of the 8th Annual General Meeting.
2. To receive and adopt the Report of the Council for the year 1998 presented by the President.
3. To receive and adopt the Statement of Accounts for the year 1998 presented by the Honorary Treasurer.
4. Tabling of proposed Amendments to the Rules by the Hon. Secretary.
5. Tabling the appointment of external auditors by the Hon. Treasurer.
6. Appointment of two Internal Auditors for 1999.
7. Any other matters.

By order of the Council


.....
Ong Chong Hup
Hon. Secretary

Date: 1st February 1999

REPLY SLIP

I, hereby confirm that I will be able/not able * to attend the above AGM.
Additional guests attending

SIGNATURE: _____
NAME : _____
MEMBERSHIP NO: _____
DATE : _____

PLEASE FAX YOUR POSITIVE REPLY TO 03-5216116/03-52194113

* Delete whichever not applicable.

CORROSION COMMITTEE

Schedule of IMM-Coral Protective Coatings Technician Training & Certification Scheme

COMMITTEE MEMBERS

Mr. David Lim Chee Cheong (EPMI)
 Mr. Chan Yoke Son (Renold)
 En. Hasbullah Abu Hassan (Petronas Carigali)
 Dr. Hasnah Abdul Wahab (SIRIM)
 Ir. Mohd. Tajuddin Romli (PPMSB)
 En. Zamaluddin Ali (PRSS)
 Mr. Tan Cheong Ming (Shell P.D.)
 En. Mohd. Sulastry (EPMI)

COATINGS SUB-COMMITTEE

Head : Mr. David Lim (EPMI)

Members :

Mr. Low Keh Teong (Jotun)
 Mr. Roland Fong (International Coating)
 Mr. Gary Bennet (Sime Leigh)
 Mr. Mark Hew Yoon Onn (UCE)
 Mr. Krishnamurthy (LCS)
 Mr. Krishnan Sinnapayam (Hempel)
 Mr. Frankie Chua (PLC)
 Mr. Yap Choon Kiat (Dimet)
 Mr. Cheh Yoke Kong (Nippon Paint)
 Mr. Chye Poh Cheong (Chukogu)
 Cik Mashitah Yeop (DNT)
 Mr. Ting Lai Leong (AEI)

Month	Company	No. of candidate
July 98	Haven Eng-Kemaman	12
	Dayang Ent - Miri	7
	Syt Bersaudara Lutong	2
August 98	Dayang Ent - Miri	5
	Syt Bersaudara Lutong	2
September 98	Tepat Teknik -Kemaman	6
	Drexel Bakti - Kemaman	5
	Mushtari Maintenance-Kemaman	13
	Sime Sembawang Eng. P.Gudang (KT &R Eng , Menara Bersatu)	40
	Dayang Ent -Miri	5
October 98	Syt Bersaudara Lutong	2
	Haven Eng - Kemaman	12
	EBT Eng - Shah Alam	5
	Bredero Price , Kuantan	16
	Penang Shipbuilding - Penang	10
December 98	Prima Bersatu	11
	Haven Eng - Kemaman	12
	Sri Kimpal Eng - Melaka	10
	Haven Eng - Kemaman	10
	Haven Eng - Kemaman	10
	Dayang Ent - Kemaman	15
	Mushtari Eng - Kemaman	15
	Autoblast - K.Lumpur	22
	Dayang Ent - Miri	15
	Syt Bersaudara Lutong	2
	Dayang Ent - Miri	7
	A & P Eng - Miri	11
	Litak Kejuruteraan - Miri	4
	Sarku Eng Serv. - Miri	8
	Velosi Eng - Miri	8
Foster Link Sdn Bhd - Miri	8	
Sabadi - Miri	5	
Uniforce Eng - Penang	10	
Shahpadu Energy	10	
PPSC Ind- Kuantan	6	
MAE Const - Paka	5	
Sembarani Mewah - Masai	10	
Malaysia Shipyard - P.Gudang	7	
Yew Lew Blasting - K.Lumpur	48	
Universal Corrosion - Klang	15	

ANNOUNCEMENT

APPOINTMENT OF GUAN INSTITUTE TO ORGANIZE CORROSION COMMITTEE ACTIVITIES WITH EFFECT FROM OCTOBER 1998.

For enquiries, please contact :-

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 85-2 & 87-2, Changkat Thamby Dollah
 Off Jalan Pudu, 55100 Kuala Lumpur
 Tel: 03-2416300 Fax: 03-2419053
 Contact : Ms. Chan Moi Leng or
 Cdr. (Rtd.) Raymond Swa

Chairman

Mr. Kang Kim Ang
 Steelcon Fluid Sdn Bhd
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 tel : 03-7450448 fax: 03-7450418
 Email: kangka@tm.net.my

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 mpe@tm.net.my

WELDING COMMITTEE

Welding Committee had its first meeting on 18th November 1998. It was held at Bilik Wawasan Rumah University, University of Malaya and chaired by Dr. Lim. It was attended by :

- | | | | |
|----|-----------------------|---|----------------------------------------------------------|
| 1. | Mr. Derek Yeo | - | ABS Industrial Verification |
| 2. | Dr. Lim Ching Liang | - | Metallurgical Consultancy & Services Sdn. Bhd. (METACOS) |
| 3. | En. Zainuddin Ishak | - | Petronas Gas Bhd., Segamat |
| 4. | En. Mohd. Nasir Samat | - | SEM Inspection Sdn. Bhd. |
| 5. | Mr. Doon Sooi Leng | - | OIS Inspection Services Sdn. Bhd. |
| 6. | Mr. Tee Kim Tsew | - | Lott Inspection Sdn. Bhd. |
| 7. | Dr. Teh Ser Kok | - | University Malaya |
| 8. | Kr. Kang Kim Ang | - | Steelcon Fluid Sdn. Bhd. |

The committee in its inaugural meeting agreed to adopt a vision. The vision is to establish training, certification and awareness related to welding engineering that suit Malaysia's requirement and in line with international practice and standards.

In order to achieve the vision, the following objectives were adopted :

- To promote the art and knowledge of welding technology and related engineering through talks and courses. This is for those who intend to work in the profession or just to gain knowledge.
- To initiate and organise training activities that is really available and at reasonable cost.
- To establish an independent , impartial and transparent certification program ie. For Welding Inspection Personnel, welders and etc.

Recognition of certification was also discussed. It was agreed that the role of the end user like Petronas, Carigali and etc be involved in the certification program.

Dr. Lim was elected the Chairman of the committee with Dr. Teh Ser Kok as the Deputy-Chairman and Mr. Alan Low of Bocard (M) Sdn. Bhd. was appointed as the Secretary/Treasurer of the committee. Mr. Tee Kim Tsew was elected as the Head of the certification subcommittee while En. Mohd. Nasir Samat was elected as the Head of training and awareness subcommittee.

Chairman
Dr. Lim Ching Liang
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SARAWAK & SABAH COMMITTEE

IMM SARAWAK & SABAH COMMITTEE :

The first Anniversary dinner, the most important event for 1998, was successfully held on the 14th November at the Holiday Inn Hotel in Miri. It was well attended by 82 members and non members which included the Deputy Mayor of Miri, Councillor Hj. Razali Alision, and Managing Directors of the various companies in Miri and Bintulu. Hj. Razali, in his speech, mentioned that Materials Science/Engineering was one of the important subjects in almost all Engineering courses in Universities but was never given real emphasis in almost all industries. It is high time that the subject be given due attention by industries. He further mentioned that Waste Management and Material Disposal proved to be a real challenge for Miri Municipal Council (MMC) and he invited all Materials Engineers, Scientist and Technologies to work closely with MMC on the related Materials disposal instead of just developing Materials. This suggestion has indeed been taken seriously by IMM Sarawak & Sabah Committee and will be discussed in one of the 1999 activities.



Training of IMM-CORAL Protective Coatings Technician Training & Certification Scheme

Committee Members :-

Mr. Telajan Luyoh (*Dayang Ent*)
Dr. Edwin Jong (*Sarawak Shell*)
En. Awangko Sa'Adenan (*PCSB*)
En. Juhari Husin (*Velosi*)
Mr. Robert Lo (*International Coatings*)

Mr. Wong Siong Pin (*Jotun*)
Mr. Tan Chuan Bee (*MLNG*)
Dr. Ha (*UNIMAS*)
En. Zamri Zakaria (*Velosi*)

Chairman

Puan Maimunah Ismail
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POLYMERS COMMITTEE



FIRST ANNOUNCEMENT

SECOND REGIONAL CONFERENCE ON MATERIALS TECHNOLOGY

Theme
Polymeric Materials
For the Oil & Gas Industry in the Next
Millenium

THURSDAY & FRIDAY, 25TH & 26TH MARCH, 1999

VENUE : SHERATON SUBANG HOTEL
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Supported by : *Plastics & Rubber Institute of Malaysia (PRIM)*
Offshore Structures Fabricators Association of Malaysia, (OSFAM)
The Institution of Engineers, Malaysia (IEM)

In conjunction with the 9th Annual General Meeting of the Institute of Materials, Malaysia.

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