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Editorial

PMAI delegates had a useful networking reception and meeting with MPIF officials and member industry representatives on 9th June 2008 at Washington D.C. Such meetings are helpful in developing business opportunities. PMAI supported the formation of Asian Powder Metallurgy Association in its meeting held on 11th June 2008 at Washington D.C. This effort will establish cooperation among Powder Metallurgy Organizations and Societies in Asia thereby promoting the progress in the field of Powder Metallurgy. International PM-09, Goa show guide is being published by Elsevier Ltd, based in U.K., and the publisher of Metal Powder Report, serving the global powder metallurgy industry. In this context it is essential to strictly adhere to the deadline for abstracts, sponsors, exhibitors and advertisers. Other information covered in this issue include the update of PMAI website, the proposed web exhibition, PMAI/PM events and the sponsor company SLM Metal (P) Ltd.

P.Ramakrishnan

Asian Powder Metallurgy Association (APMA)

The formation of Asian Powder Metallurgy Association is approaching to a reality at the 6th Asian PM Association Meeting held at Washington DC on 11th June 2008, along with PM World Congress.

APMA has been initiated by JPMA to establish a co-operative relationship among Powder Metallurgy Associations and Societies in Asia to advance the field of Powder Metallurgy.

The general consent was to proceed with the formation of Asian Powder Metallurgy Association.

Participants of the 6th Asian PM Association Meeting.

KOREA

(KPMI)

Jai-Sung Lee Former President, KPMI (Hanyang University)
Soon Hyung Hong President (KAIST) Korea

(KPMA)

Woo Kil Moon President, KPMA (Korea Sintered Metals)

CHINA - (CPMUA)

INDIA - (PMAI)

Deepak Varshney Former President, PMAI (Star Sintered Products)
J.Sachdeva M.D., Newmet Pvt.Ltd.

TAIWAN - (PMA of ROC)

Chiu-Lung Chu Standing Director, PMA of ROC (Porite Taiwan)
Huei-Long Lee Standing Supervisor, PMA of ROC (Porite Taiwan)

JAPAN

(JPMA)

Isamu Kikuchi Former President JPMA
Yuktaka Mizuno President, JPMA (Fine Sinter)
Tsunehiro Mori Chairman, Committee for Administration, JPMA (Mitsubishi Materials PMG)
Kazunori Arai Executive Director, JPMA
Hiroaki Itabashi Secretary General, JPMA
Tohru Sakurai Former Executive Director, JPMA
Toru Nakata Interpreter (Hitachi Powder Metals)

(JSPM)

Akira Kawasaki Vice President, JSPM (Tohoku University)
Yoshihiro Takayana Executive Director, JSPM
Yoko Inoue Head of the General Affairs Section, JSPM



Participants in the 6th Asian Powder Metallurgy Association Meeting at Washington D.C. on 11th June 2008

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Editor : P. Ramakrishnan | Members : T.R. Rama Mohan, D.K. Varshney, U. Basak, PNS Sivan, K.S. Samant

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Tel. : 91-22-25704588 / E-mail : pmai_pm@yahoo.com / Website : www.pmai.in

5th in Series

PM-09 

International Conference With Trade Exhibition

HIGH PERFORMANCE MATERIALS BY POWDER METALLURGY FOR AUTOMOTIVE AND ENGINEERING INDUSTRY AND THE 35TH ANNUAL TECHNICAL MEETING OF PMAI

Feb. 16-18, 2009
Cidade De Goa Resort
 Vainguinim Beach, Panjim Goa

ORGANISED BY

PMAI
 THE POWDER METALLURGY ASSOCIATION OF INDIA
 Website : www.pmai.in

 Powder Metallurgy and Particulate Materials

The PM09 International Conference & Exhibition & 35th ATM of PMAI

The PM09 International Conference & Exhibition & 35th ATM organized & sponsored by PMAI will be held during February 16-18, 2009 in Goa.

Venue: Cidade De Goa Resort, Vainguinim Beach, Panjim, Goa

Conference Language : English

Topics : *New and high performance materials for automotive & engineering industry. *Innovative processes. *Progress in modelling, simulation, analysis, characterization and testing. *New developments in powder consolidation techniques & equipment for PM and ceramic industry. *Novel concepts & applications for automotive, PM and ceramic components. *Advanced PM through ultra fine & nano materials. *Progress in automotive industry.

Abstracts : Online abstracts of papers for oral presentation (max.200 words) may be submitted at pmai_pm@yahoo.com or info@pmai.in

Important Dates

Submission of abstracts and pre-registration	September 30, 2008
Deadline for sponsorship, exhibitors and advertisements	October 31, 2008
Deadline for the full text	December 31, 2008
Conference	February 16-18, 2009

PM 09 PMAI Secretariat

1002, B Wing, Kingston, High Street, Hiranandani Complex, Near D-Mart, Powai, Mumbai 400 076
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Advertisement for the Show Guide (Souvenir)

The Conference Guide (Souvenir) for PM09 in Goa during 16-18 February is being published by Elsevier Ltd. this time. Based in the United Kingdom, Elsevier is the publisher of the Metal Powder Report, the independent monthly magazine serving the global powder metallurgy industry.

The PM09 show guide will be printed in India by Elsevier & distributed at the venue. The Show guide will be circulated to PMAI members, companies exhibiting at PM09 and to visitors to the event. In addition, Metal Powder Report will give forward coverage of PM09 in its November issue and will carry a round-up feature in their regular issue of MPR following the PM09 Conference.

Advertisement for the show guide will be solicited by Metal Powder Report internationally. Potential advertisers can contact the International Sales Manager, Mr. Mo Rami at ; Tel. : + 44 207 424 4513, Fax : + 44 1865 853134 Email : m.rami@elsevier.com

Web - Exhibition

PMAI is proposing to conduct ONLINE web Exhibition-THREE times in a year for THREE days each-Totally NINE days in a year. The web-exhibition would enable the participating industries, organizations and members to upload their material (documents, pictures, charts etc.) video demonstrate the products & exchange online the information with prospective customers. Additionally, Members would get profiles of all the visitors to the Web-Exhibition. All this is available at a charge of Rs.10,000/- for all the three web exhibitions.

PMAI Website

The PMAI website www.pmai.in is being continuously updated.

1. **'About PMAI'** : This menu contains list of office bearers and present and past presidents and secretaries.
2. **'Membership'** : It has two sub Menu items : (i) Registration form (ii) Members' directory. Members' directory gives three links corresponding to (i) Patron members (ii) Sustaining members (iii) Life members. Each link gives list of corresponding members and their details recorded with PMAI.
3. You are requested to check your details. If they need modification, please click the Menu item 'Members, please click here' given at the end of the Menu list and update your information in the form provided (obtainable on clicking the Menu item). Submit the new information. You will get an acknowledgement immediately. PMAI office will subsequently incorporate the update in records.
4. **'PMAI Newsletters'** : It gives all the news letters published in last one year and will give the news letters that will be published from time to time. You can read them by clicking the appropriate link.
5. **'International Conference and Exhibition'** : The PM09 brochure giving complete details about PM09 is available in this Menu.

Display of information about products and services on PMAI website

PM Manufacturers, Suppliers & Consultants are invited to display information about themselves and their products / services on the PMAI website www.pmai.in. This information will be updated from time to time without any further cost

The charges for this facility will be Rs. 10,000/- as a one time payment. This is an introductory offer and will be reviewed after 31-3-2009

Powder Metallurgy Association Of India
organizes Workshop On
Particulate Materials Plant Practice (PMP²)

NITIE MUMBAI, DECEMBER 4-6, 2008

OBJECTIVE

To generate second level manpower with knowledge specific to practices in P/M plants, such as those producing powders as well as sintered products, be those from metals and alloys / hard metals / advanced ceramics (structural/ electrical/ magnetic) / composites.

The PMAI has been training entrepreneurs and senior personnel through the annual short course program in Powder Metallurgy for the past two decades. It is now felt that there is a need to train persons with minimum HSC qualifications in the area of P/M Plant Practice so that the industry can directly absorb them. The obvious advantages are availability of local skilled manpower at lesser cost, and, prevention of migration of workers from one company to other resulting eventually in better quality of the product at lesser costs.

The workshop is of three days duration from 4th to 6th December 2008. The Program will include:

- (1) Lectures in the morning and afternoon sessions on 4th December
- (2) Lectures in the morning session and visit to laboratory at IIT Bombay in the afternoon session on 5th December
- (3) Visit to M/S Sintbush India Ltd. Palghar on 6th December.

The applied and practical aspects of the following topics will be covered:

- Characterization of powders
- Blending and testing of powder blends
- Dies and Tooling
- Presses, Die Compaction, and Evaluation of Compacts
- Sintering Furnaces, Controls and Atmospheres
- Secondary operations
- Evaluation of sintered properties

The lectures will be given by experts from PM Industry and equipment manufacturers.

The minimum qualification required is a Bachelors degree with a working knowledge in English. Alternately 12th Standard pass candidates with at least 3 years experience in PM industry will also be considered. The workshop will be beneficial to persons already working in the PM Industry. Corporate members are requested to specially note this aspect and depute either their existing or prospective employees to this course.

Registration:

All those desirous of participating in the workshop may register their names along with the registration fees on or before 15th of November 2008.

Course Fee:

- (1) Rs. 9000/- per participant. The fees include, course material, practical classes lunches and Accommodation in AC Room with twin sharing Basis at MDP Hostel NITIE for Three nights. The tariff is also inclusive of bed tea, buffet breakfast and dinner. It includes all taxes.
- (2) Rs. 5000/- for those who do not require accommodation at NITIE. These fees include course material, practical classes lunches, Tea and snacks

Participants are expected to check in by evening of 3rd December and check out in the morning on 6th December while proceeding to Palghar.

Participants will be taken to Palghar and brought back to Mumbai by special vehicle. Special lunch will be arranged at Palghar Jungle Resort

Payment

Payment may be made by Cheque/D.D. in favour of PMAI payable at Mumbai and shall be sent to PMAI Office address.

Due to the limitation on number of participants, once the required number is reached the registration will stop. Why wait till next year? Register immediately to avoid disappointment.

For further details, please contact,

The Convener -PMP²
PMAI Office

1002, B-Wing, Kingston, High street, Near D-Mart,
 Hiranandani Complex., Powai, Mumbai 400076
Phone (022) 2570 4588, Email. pmai_pm@yahoo.com

Visit of PMAI Delegation to U.S.A.

PMAI delegation attended Powder Metallurgy World Congress; held only once in every six years in North America and this time during June 8-12, 2008 at Washington D.C., U.S.A. More than 1600 delegates from 40 countries attended the event.

PMAI networking reception & meeting was held on 9th June 2008. Indian delegates D.K.Varshne, N.Gopinath, J.S.Sachdeva, Premnath Sadeesh, Narasimhan Raghunath, and Venkat Gupta made presentations on their interest and capabilities. MPIF was represented by W.Heath, President Powder Metallurgy Parts Association, J.Dale, V.P.Member of Industry relations, MPIF, Edul Daver, past president MPIF and other MPIF member company representatives. The discussions were useful and business opportunities will hopefully develop as the outcome of the meeting.

PMAI Networking Reception & Meeting

List of dignitaries present

1. Edul M Daver: President, **AcuPowder International, LLC, U.S.A.**
2. Thomas K.Houck, COO, **Cloyes Gear & bProducts, Inc, U.S.A.**
3. Conrad J.Kogovsek, CEO, **Keystone Powdered Metal Company,U.S.A.**
4. Mark Foster, President, **Allied Sinterings, Inc, U.S.A.**
5. N.Gopinath, Managing Director, **Fluidtherm Technology Pvt.Ltd. India**
6. Prarthna Gopinath, Project Engineer, **Fluidtherm Technology Pvt.Ltd. India**
7. Premnath Sadeesh, CEO, **Kriti Group, Noida, India**
8. William O.Allread, Owner, **Allread Products LLC, U.S.A.**
9. William A. Heath, PMT **Metal Powder Products Company, U.S.A.**
10. Chaman Lall, V.P. Operations and Technology, **Metal Powder Products Company, U.S.A.**
11. Thomas L.Stockwell, Jr., Field Sales Manager, **Burgess-Norton Mfg.Co.Geneva, IL, U.S.A.**
12. Mark C.Paulin, President, **Capstan, Gardena.CA, U.S.A.**
13. Mike Stauffer, Director, Sales & Marketing, **Keystone Powdered Metal Company, U.S.A.**
14. David L.Schaefer, V.P. Business Development, **Cloyes Gear & Products, Inc., U.S.A.**
15. Dax Whitehouse, Executive V.P, Marketing & Tech. **Net shape Technologies, Inc, U.S.A.**
16. John W. Von Arx, Program Manager, **Net shape Technologies, Inc, U.S.A.**
17. Ronald E.Arble, PMT, Director of Business Development, **Net shape Technologies, Inc, U.S.A.**
18. Jagjeet Singh Sachdeva, Managing Director, **Newmet Pvt.Ltd. Mumbai, India**
19. Dr.Michael Krehl, Executive Vice President, **PMG Holding, S.A.Luxemborg**
20. Narsimhan Rajappa, Head, Marketing, Sintered Products, **PRICOL Limited, Coimbatore, India**
21. Venkat Gupta, Director, **Shivanshu Sintered Products Pvt.Ltd. Faridabad, India**
22. Rohith Shivanath, Corporate Director, R & D. **Stackpole Limited, Canada**
23. D.K.Varshney, Chairman, **Star Sintered Products, Ltd., Noida, India**
24. Rajat Varshney, CEO, **Star Sinterd Products Ltd., Noida, India**

International PM Events

URO PM2008 ---- September 29-October 1, Manheim, Germany www.epma.com/pm2008

5TH INTERNATIONAL POWDER METALLURGY CONFERENCE
 October 8-12, Ankara, Turkey www.turkishpm.org/5pm2008

2008 CHINA (SHANGHAI) INTERNATIONAL POWDER METALLURGY EXHIBITION & CONGRESS

October 25-26, Shanghai, China www.china-pmexpo.com/en
POWTEX TOKYO 2008 ---- 28- 31-October 2008, www.appie.or.jp

PM-09 5TH INTERNATIONAL CONFERENCE & EXHIBITION
 February 16-18, Cidade De Goa, Panjim, www.pmai.in

17TH PLANSEE SEMINAR ON HIGH PERFORMANCE PM MATERIALS

May 25-29, 2009 Reutte, Austria www.plansee.com

POWDERMET2009: MPIF/APMI INTERNATIONAL CONFERENCE ON

POWDER METALLURGY & PARTICULATE MATERIALS

June 28-July 1, Las Vegas, NV www.mpif.org

SDMA 2009/ICSF VII-4TH INTERNATIONAL CONFERENCE ON SPRAY DEPOSITION AND MELT ATOMIZATION/

7TH INTERNATIONAL CONFERENCE ON SPRAY FORMING

September 7-9 Bremen, Germany www.sdma-conference.de



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- ❖ Copper Powder
- ❖ Bronze Powder
- ❖ Spherical Bronze
- ❖ Copper Oxide
- ❖ Iron & Copper Alloying Tablets



With the widest range of powders specifications along with our specialization, we have ensured that we meet the needs of our Clients. Our powders have controlled parameters of **growth, density and strength**.

We have a combined manufacturing capacity of over 1200 MT (annual) Metal Powder at present & growing.

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