

DAILY SCHEDULE



Saturday, June 27

Noon–5:00 p.m. (12:00–17:00)

Exhibitor Setup

Sunday, June 28

6:15 a.m.–1:30 p.m. (06:15–13:30)

APMI Golf Tournament

(Open to all attendees. Transportation departs from the Mirage Hotel at 6:15 a.m.)

8:00 a.m.–5:00 p.m. (08:00–17:00)

Exhibitor Set-Up

3:00–7:00 p.m. (15:00–19:00)

Registration Opens

2:00–6:00 p.m. (14:00–18:00)

Poster Display (Author Setup)

6:00–7:30 p.m. (18:00–19:30)

OPENING NIGHT EVENT

Welcome to fabulous Las Vegas and PowderMet2009! The conference begins with a casual opening night event outdoors at the Siegfried & Roy's Secret Garden & Dolphin Habitat at the magnificent Mirage Hotel. An assortment of food options, beer and wine will be served. Dress is casual. (Attendance restricted to full registrants and others as noted)



Monday, June 29

7:00–8:00 a.m. (07:00–08:00)

Speaker Review

All speakers and session chairmen for today's technical sessions and special interest programs are required to meet in the Speakers' Lounge to receive final instructions and review information regarding presentations.

7:00 a.m.–4:30 p.m. (07:00–16:30)

Registration

7:00 a.m.–4:30 p.m. (07:00–16:30)

Poster Display

8:00–9:30 a.m. (08:00–09:30)

OPENING GENERAL SESSION

The conference opening general session will include welcome comments by MPIF Executive Director/CEO C. James Trombino, CAE, and MPIF President Mark C. Paullin. The session will recognize technical program chairmen Thomas J. Jesberger and Stephen J. Mashl.

Keynote Presentation:

TOUGH DRIVING AHEAD: THE FUTURE OF THE U. S.

AUTOMOTIVE MARKET IN THE NEXT DECADE

Sean McAlinden, Ph. D

Executive Vice President for Research, Chief Economist

Center for Automotive Research, Ann Arbor, Michigan

This timely presentation will provide an assessment of the current economic and competitive positions of North American automotive companies and will delve into the prospects for a market recovery and who will be part of that new market. From an economist's point of view, Dr. McAlinden will share his views on long-term automotive sales and production in the U.S. and what kinds of cars, regulations and technologies, including his expectations for the role of powder metallurgy, will be the drivers in that future.

The Center for Automotive Research is a nonprofit research organization focused on a wide variety of important trends that relate to the future direction of the global automotive industry.

Dr. McAlinden's perspectives are eagerly sought by industry leaders and insiders.

(Attendance restrictions apply)



9:45 a.m.–Noon (09:45–12:00)

EXHIBIT OPENS

The PM industry's largest marketplace for leading companies providing metal powders, processing equipment, and services.

9:45–11:15 a.m. (09:45–11:15)

TECHNICAL SESSIONS:

- Session 1: Fatigue
- Session 2: PIM I: Material Development
- Session 3: Compaction Processes
- Session 4: Stainless Steel I
- Session 5: Nanostructured Materials I
- Session 6: Advanced Powder Production Techniques

9:45 a.m.–4:30 p.m. (09:45–16:30)

SPECIAL INTEREST PROGRAMS:

- SIP1: A Tour of Dimensional Change: From Why It Happens to How to Control It Parts 1 & 2 (of 3)
- SIP2: Isostatic Pressing of Particulate Materials—Advances and Applications Parts 1 & 2 (of 2)

10:15–11:45 a.m. (10:15–11:45)

Powder Metallurgy Parts Association Board of Directors Meeting

Noon–1:45 p.m. (12:00–13:45)

INDUSTRY RECOGNITION LUNCHEON

Luncheon will recognize the recipients of the MPIF Distinguished Service to Powder Metallurgy Award, the APMI Fellow Award, the 2008 Outstanding Technical Paper Award recipients and the CPMT/Axel Madsen Conference Grant winners.

Luncheon will also celebrate APMI's 50th Anniversary.

(Attendance restricted to full registrants and others as noted)



1:45–4:00 p.m. (13:45–16:00)

Powder Metallurgy Parts Association Membership/Business Meeting

(Open only to registered members of PMPA)

1:45–4:30 p.m. (13:45–16:30)

EXHIBIT OPEN

Cookie Break: 1:45–2:30 p.m.

Stop by the exhibit hall for an afternoon snack and see the latest in PM equipment, powder, products, and services.

3:00–4:30 p.m. (15:00–16:30)

TECHNICAL SESSIONS:

- Session 7: Sinter Hardening
- Session 8: PIM II: Molding
- Session 9: Material Transfer & Lubrication
- Session 10: Stainless Steel II
- Session 11: Nanostructured Materials II
- Session 12: Thermal Management: Composite Materials

7:00–11:00 p.m. (19:00–23:00)

MAIN SOCIAL EVENT:

DINNER & THE CIRQUE

DU SOLEIL BEATLES™ LOVE SHOW

LOVE brings the magic of *Cirque du Soleil* together with the spirit and passion behind the most beloved rock group of all time to create a vivid, intimate and powerful entertainment experience. A Grammy winner, LOVE is the latest *Cirque du Soleil* production. The evening will start with a poolside dinner at the Mirage and then it's off to the hottest show in Vegas!

(Dress is casual. Attendance restricted to full registrants and others as noted.)



Tuesday, June 30

7:00–8:00 a.m. (07:00–08:00)

Speaker Review

All speakers and session chairmen for today's technical sessions and special interest programs are required to meet in the Speakers' Lounge to receive final instructions and review information regarding presentations.

7:00 a.m.–5:00 p.m. (07:00–17:00)

Registration

7:00 a.m.–5:00 p.m. (07:00–17:00)

Poster Display

8:00–9:30 a.m. (08:00–09:30)

TECHNICAL SESSIONS:

- Session 13: Sintering I: Processes
- Session 14: PIM III: Challenges & Opportunities
- Session 15: Fatigue/Fracture Behavior
- Session 16: Characterization & Testing I
- Session 17: Gradient Hardmetals
- Session 18: Atomization

8:00–9:30 a.m. (08:00–09:30)

SPECIAL INTEREST PROGRAM:

- SIP1: A Tour of Dimensional Change: From Why It Happens to How to Control It Part 3 (of 3)

8:00 a.m.–Noon (08:00–12:00)

Powder Metallurgy Parts Association Spring Management Meeting

(Open only to registered members of PMPA)

8:00 a.m.–12:15 p.m. (08:00–12:15)

SPECIAL INTEREST PROGRAM:

- SIP3: Biomedical Applications and Issues Concerning PM Components and Materials Parts 1 & 2 (of 2)

8:00 a.m.–5:00 p.m. (08:00–17:00)

SPECIAL INTEREST PROGRAM:

- SIP4: Enhanced Mechanical Properties by Post-Sinter Processing Parts 1, 2 & 3 (of 3)

9:30 a.m.–12:15 p.m. (09:30–12:15)

EXHIBIT OPEN

Coffee Break: 9:30–10:45 a.m.

Stop by the exhibit hall for a cup of coffee and see the latest in PM equipment, powder, products, and services.

DAILY SCHEDULE

10:45 a.m.–12:15 p.m. (10:45–12:15)

TECHNICAL SESSIONS:

- Session 19: Sintering II: Atmospheres
- Session 20: PIM IV: Feedstock
- Session 21: Ferrous PM Alloy Development
- Session 22: Characterization & Testing II
- Session 23: Titanium–Boron Materials
- Session 24: Functionally Gradient Materials

2:00–3:30 p.m. (14:00–15:30)

Poster Display—Authors Available

Authors will be available for discussion and consultation.

2:00–5:00 p.m. (14:00–17:00)

EXHIBIT OPEN

Ice Cream Break: 2:00–3:00 p.m.

Invite your family to stop by the exhibit hall for an afternoon snack and see the latest in PM equipment, powder, products, and services.

2:30–4:30 p.m. (14:30–16:30)

MPIF/EPMA Meeting

3:30–5:00 p.m. (15:30–17:00)

TECHNICAL SESSIONS:

- Session 25: Sintering III: Equipment
- Session 26: Process Modeling
- Session 27: Profitability, Opportunity & Optimization
- Session 28: Machinability
- Session 29: Composites
- Session 30: High-Density Processing
- Session 31: PIM V: Biomedical Applications



12:30–2:00 p.m. (12:30–14:00)

PM DESIGN EXCELLENCE AWARDS LUNCHEON

Program will highlight winners in the 2009 Powder Metallurgy Design Excellence Awards competition.
(Attendance restricted to full registrants and others as noted)

Wednesday, July 1

7:00–8:00 a.m. (07:00–08:00)

Speaker Review

All speakers and session chairmen for today's technical sessions and special interest programs are required to meet in the Speakers' Lounge to receive final instructions and review information regarding presentations.

7:00 a.m.–3:00 p.m. (07:00–15:00)

Registration

7:00 a.m.–3:00 p.m. (07:00–15:00)

Poster Display

8:00–9:00 a.m. (08:00–09:00)

Exhibit Council Meeting

8:00–9:30 a.m. (08:00–09:30)

TECHNICAL SESSIONS:

- Session 32: Sintering IV: Materials
- Session 33: High-Density Applications
- Session 34: Advanced Machining
- Session 35: Hardmetal Processing
- Session 36: Aluminum Composites

8:00 a.m.–3:00 p.m. (08:00–15:00)

SPECIAL INTEREST PROGRAMS:

- SIP5: Advances in Lean Materials and Sinter Furnace Alloying
Parts 1, 2 & 3 (of 3)
- SIP6: Powder Metallurgy Titanium Materials and Processes—State of the Art
Parts 1, 2 & 3 (of 3)

9:45–10:30 a.m. (09:45–10:30)

GENERAL SESSION: STATE OF THE NORTH AMERICAN PM INDUSTRY

This session will focus on industry business conditions, technology trends, and markets for powder metallurgy and particulate materials as reported by:

Mark C. Paullin
MPIF President
President, Capstan



10:30–11:30 a.m. (10:30–11:30)

Powder Metallurgy Equipment Association Board of Directors Meeting (Open to members of PMEA)

10:45 a.m.–12:15 p.m. (10:45–12:15)

TECHNICAL SESSIONS:

- Session 37: Heat Treatment
- Session 38: PM Aluminum
- Session 39: Advanced Gear Processing
- Session 40: Tungsten & Tungsten Alloys
- Session 41: Advances in Nd-Fe-B Materials

12:15–1:30 p.m. (12:15–13:30)

Lunch Break

(Attendees on their own)

12:15–2:15 p.m. (12:15–14:15)

MPIF Conference Committee Meeting

1:30–3:00 p.m. (13:30–15:00)

TECHNICAL SESSIONS:

- Session 42: Soft Magnetic Composites
- Session 43: Wear
- Session 44: Joining & Infiltration
- Session 45: Foams & Structured Sandwiches
- Session 46: Spark Plasma Sintering