Developing the Future of Powder Metallurgy

Seminars, Events & Training 2019


Your guide to upcoming EPMA events in Europe

www.epma.com/courses
EPMA Membership Benefits
10 Reasons to join the EPMA

- European and World PM production statistics and information
- Access to PM technology and development programmes
- Networking opportunities at conferences, events and seminars
- Information and lobbying on legislation, such as REACH
- Join the industry-wide benchmarking programme
- Discounts on training courses, congresses and exhibitions
- Free listing on the world’s most comprehensive PM website
- Discounted PM publications, reports and journals
- Email news bulletins and EPMA newsletters
- Access the ‘Translated Glossary of Powder Metallurgy’

www.epma.com/membership
EPMA Seminars & Training 2019: Overview

1. Hot Isostatic Pressing (HIP) Seminar
   Sint-Niklaas, Belgium

2. 32nd General Assembly of EPMA
   Brussels, Belgium

3. Processing of Functional Materials
   Bremen, Germany

4. Metal Additive Manufacturing Technologies
   Gothenburg, Sweden

5. A Two-Day Seminar for the Entire MIM Supply Chain
   Fischingen, Switzerland

6. EPMA Powder Metallurgy Summer School 2019
   Trento, Italy

7. The benefit of using Powder Metallurgy (PM) in the automotive sector
   Hary, France
   Gothenburg, Sweden
   Grenoble, France
   Coventry, UK
   Dresden, Germany
   Madrid, Spain

8. PM Life

9. Euro PM2019 Congress & Exhibition
   Maastricht, The Netherlands

www.epma.com/seminars

The language for all events is English
Seminars, Events & Training 2019

Conventional HIP and Rapid Cool HIP: Developments in Productivity, Material Property and Microstructural Relationships

11-12 February 2019 | Sint-Niklaas, Belgium

Hot Isostatic Pressing (HIP) is a process to densify powders or cast and sintered parts in a furnace at high pressure and high temperatures. The applied pressure provides isotropic properties and 100% densification which has become a viable and high performance alternative to conventional processes such as forging, casting and machining in many applications. Hot Isostatic Pressing is a competitive and proven manufacturing process for the production of complex and highly specified components, particularly in sectors that have highly demanding environments such as aerospace, offshore, energy and medical.

The 2019 HIP Seminar is titled ‘Conventional HIP and Rapid Cool HIP: Developments in Productivity, Material Property and Microstructural Relationships’ and will be hosted in Belgium on 11-12 February 2019. The seminar will feature presentations and case studies from industry experts plus a site visit to EPSI to see their facilities.

The seminar will be of interest to end users and designers as well as technical and managerial personnel in the HIP industry.

COURSE FEE

Standard Registration:
EPMA Members (paid up): €700
Academics (Non-Members): €700
Non-Members: €1000
End Users: €400*

The course fee includes one night accommodation at the hotel (11 February 2019), coffee breaks, lunches and a dinner (11 February 2019) for all course participants to enjoy and network.

REGISTRATION DEADLINE | 9 January 2019

To learn more about Hot Isostatic Pressing, please visit:
www.epma.com/hot-isostatic-pressing

*End Users are defined as: Original Equipment Makers (OEMs), Tier 1, Tier 2 and system Supplier supply chain companies and personnel. The final decision to grant the discount lies with EPMA.
32nd General Assembly of EPMA

21-22 March 2019 | Brussels, Belgium

An opportunity for Members to come together and network, including participating in sectoral group meetings and helping the EPMA fulfill its legal obligations of the General Assembly. In a reinvigorated format, 2019 sees the launch of a two-day programme with an increased number of interesting speeches, about which more details will be released in due course online. Save the date now to guarantee your place.

DRAFT PROGRAM

20 March 2019
15:00-18:00 AM&HIP Club Project

21 March 2019
09:00-10:00 HIP Sectoral Group: HIP Trend Survey 2019
10:30-12:00 Board with current president
12:00-13:00 Lunch
13:30-18:00 General Assembly
- Opening
- President address
- Report from Sectoral groups by sectoral group chair
- Election for new Council
- Keynote speeches
  - Guy Thiran (Eurometaux, Executive Director)
  - REACH update, Brexit
  - Thilo Bein (European Automotive Research Partners Association (EARPA), Chairman for Materials, Design and Production Task Force
- 18:00-18:30 Council with newly elected council members (Administrative issues), election of the board.
- 18:30-19:00 Board for election of new president (Administrative issues)
- 19:30 Dinner

22 March 2019
08:30-12:00 Council
12:00-13:00 Lunch
13:00-14:00 EuroMIM sectoral group – Trend survey presented
13:00-14:00 EuroAM group
14:00-16:00 EuroFM and EuroPress&Sinter sectoral group

REGISTRATION DEADLINE 7 March 2019

www.epma.com/ga
Functional Materials Seminar

Processing of Functional Materials

3-4 April 2019 | Bremen, Germany

Functional materials can be defined in different ways. Mostly, they make use of a distinct physical property they bring into a component, such as magnetism, caloric effects, electronic conductivity, and others. Whatever the functionality they provide, they are key components with regard to targeted applications. With growing understanding of powder-based processes, the desire to implement functionality into components also increases, making functional materials an important part in current and future applications and developments.

The seminar will be split in 3 parts:

- Processing of functional materials
- Functional material and energy conversion
- Functional material and energy storage.

Further information to be released on the website.

COURSE FEE

**Early Registration:**
EPMA Members (paid up): €600
Academics (Non-Members): €600
Non-Members: €900
End Users: €400*

**Standard Registration (after 5 February 2019):**
EPMA Members (paid up): €700
Academics (Non-Members): €700
Non-Members: €1000
End Users: €500*

The course fees include one night accommodation at the hotel, (3 April 2019) coffee breaks, lunch and dinner.

REGISTRATION DEADLINE 27 February 2019

seminars.epma.com

*End Users are defined as: Original Equipment Makers (OEMs), Tier 1, Tier 2 and system Supplier supply chain companies and personnel. The final decision to grant the discount lies with EPMA.
Additive Manufacturing Seminar

**Metal Additive Manufacturing Technologies**

**May 2019 | Gothenberg, Sweden**

The seminar will cover different metal AM technologies and will focus on such aspect as print preparation and post treatment.

This intensive three-day seminar will be combined with industrial visit to Arcam and Digital Metal companies.

**COURSE FEE – TBC**

The course fees include two nights accommodation at the hotel, all course materials, coffee breaks, lunches and a special dinner.

**REGISTRATION DEADLINE** 10 April 2019

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EPMA is proud to launch the 2019 Metal Injection Moulding (MIM) Seminar, titled ‘A Two-Day Seminar for the Entire MIM Supply Chain’.

Over the two seminar days, speakers from the MIM Industry will explore the future of MIM, design criteria and secondary operations, quality concepts and materials as well as a look into case studies of MIM components and the advantages they produce over components made by alternative manufacturing processes. During the seminar there will also be a showcase of MIM parts available to view and help further discussions during networking sessions.

If you would like to add to the MIM showcase with a part/s from your company, please email Delphine Nicolas, Events and Project Co-Ordinator on dn@epma.com to register your interest.

Please be aware that as there is limited space for showcasing the components, they are provided on a first-come-first-served basis.

The Two-Day Seminar for the Entire MIM Supply Chain training course has been organised by the EPMA’s EuroMIM group with support from the sectoral group’s members.

The two day programme will feature presentations, many interactive sessions, case studies as well as a Plant Tour.

COURSE FEE

Early Registration:
EPMA Members (paid up): €700
Academics (Non-Members): €700
Non-Members: €1000
End Users: €400*

Standard Registration (after 5 April 2019):
EPMA Members (paid up): €800
Academics (Non-Members): €800
Non-Members: €1100
End Users: €500*

The course fee includes coffee breaks, lunches and a dinner (4 June 2019) for all course participants to enjoy and network. Participants should book their own accommodation.

REGISTRATION DEADLINE | 1 May 2019

To learn more about Metal Injection Moulding, please visit: www.epma.com/metal-injection-moulding

*End Users are defined as: Original Equipment Makers (OEMs), Tier 1, Tier 2 and system Supplier supply chain companies and personnel. The final decision to grant the discount lies with EPMA.
EPMA Powder Metallurgy Summer School 2019

15-19 July 2019 | Trento, Italy

The 19th Residential PM Summer School for Young Engineers

The EPMA PM Summer Schools have been designed to offer participants from all parts of Europe an advanced teaching of PM’s advantages and limitations by some of the leading academic and industrial personnel in Europe. It is also a rare opportunity to stimulate direct technical discussions by young scientists and engineers who are interested in broadening their knowledge through interaction with senior figures in the PM industry.

Benefits

Participants will receive all relevant course documents, plus accommodation, refreshments, a welcome reception on Monday and the Summer School networking dinner on Thursday evening.

The fee also includes 18 months’ Student Membership of the EPMA, which enables members to obtain discounted rates at the Euro PM2019 Congress & Exhibition to be held 13-16 October in Maastricht, The Netherlands, amongst other benefits. The full list of EPMA Member Benefits can be found at www.epma.com/member-benefits

COURSE FEE

EPMA Members (paid up): €1000
Academics (Non-Members): €700
Non-Members: €1300
End Users: €700*

Final registration depends on availability and candidates will be chosen by a committee after the application deadline.

APPLICATION DEADLINE 15 May 2019

summerschool.epma.com

*End Users are defined as: Original Equipment Makers (OEMs), Tier 1, Tier 2 and system Supplier supply chain companies and personnel. The final decision to grant the discount lies with EPMA.
Press and Sinter Showcase

The benefit of using Powder Metallurgy (PM) in the automotive sector

3-4 December 2019 | Hary, France

This new EPMA event will showcase a wide range of parts made from PM, or that have potential to made from PM. It will take place at the A2MAC1 facility in Hary, France and is hoped to be the largest showcase organised by EPMA. The event will begin with some presentations where experts will explain what Powder Metallurgy is, the benefits of using the technology and the techniques to improve the design of parts to be made in PM.

Then participants will begin to explore the showroom which will feature a variety of parts from the automotive industry. Participants will be able to learn more about the entries in the showcase and discuss with experts which parts that are currently using the Powder Metallurgy technology, and those that have potential to in the future. The event will offer time to network with others in the industry.

REGISTRATION DEADLINE 30 October 2019

seminars.epma.com
The competition is open to all graduates of a European University whose theses have been officially accepted or approved by the applicant’s teaching establishment during the previous three years.

Theses, which must be classified under the topic of Powder Metallurgy, are judged by an international panel of PM experts, drawn from both academia and industry.

The 2019 Thesis Competition winners will be awarded their prizes at the Euro PM2019 Congress & Exhibition, which will be held 13-16 October 2019 in Maastricht, The Netherlands.

Each winner will receive:

- Prizes of €750 and €1,000 for Masters and Doctorate levels respectively, sponsored by Höganäs AB
- Complimentary registration to the Euro PM2019 Congress & Exhibition courtesy of EPMA
- The opportunity of having their work published in the prestigious journal Powder Metallurgy.

All entrants to the competition will receive a certificate of participation.

**Deadline: 24 April 2019**

To find out more or to submit your thesis for 2019, please visit: [www.epma.com/thesiscompetition](http://www.epma.com/thesiscompetition)

@europmassoc  #epmathesiscomp

All information regarding the 2019 PM Thesis Competition, including terms and conditions can be found online at: [www.epma.com/thesiscompetition](http://www.epma.com/thesiscompetition)
PM Life is a lifelong training programme to help develop the future of Powder Metallurgy and help provide a comprehensive training course to those looking for a related career. The course will offer students chance to either attend the full five-week programme to learn about the whole industry or pick specific modules to further their knowledge in certain areas.

Each week will be hosted in a different venue across 5 European countries to provide participants with a wide range of experiences and contacts within the Powder Metallurgy Industry. It is aimed at participants who hold at least a Master's degree and have some knowledge on materials science. They may already work in the PM field or wish to enter this field.

You can choose to attend the full programme or select specific modules if you would like to know more information about a specific topic. Registration is now open.
This Module is on Additive Manufacturing, also known as 3D printing, rapid prototyping or freeform fabrication and covers the two main technologies: Powder bed technologies and blown powder technologies, also known as laser metal deposition or laser cladding.

The Metal Injection Moulding Module covers this competitive manufacturing process used for small precision components which would be costly to produce by alternative methods.
Europe’s annual powder metallurgy congress and exhibition is set to make its first visit to the Netherlands in 2019, and is being held in Maastricht 13-16 October 2019. Euro PM2019 Congress & Exhibition, which is organised by the European Powder Metallurgy Association (EPMA), is being held at the Maastricht Exhibition & Congress Centre (MECC), a modern purpose built venue on the outskirts of town, easily reachable from the centre.
Euro PM2019 Congress & Exhibition is the place for the powder metallurgy (PM) industry in Europe to meet in 2019. The 4-day event, which contains a programme of sector specific meetings, technical presentations, special interest seminars, an industry exhibition and factory tours, will cover all aspects of PM and related sectors.

**Euro PM2019 Congress**

The Euro PM2019 Congress provides delegates a range of presentations to attend on subjects from Additive Manufacturing (AM), Functional Materials, Hard Materials and Diamond Tools, Hot Isostatic Pressing, Metal Injection Moulding, New Materials, Processes and Applications and Press and Sinter.

**Euro PM2019 Exhibition**

The Euro PM2019 Exhibition, held Monday to Wednesday, represents the entire PM supply chain and contains over 100 exhibition booths from all PM related industrial sectors, featuring companies from raw material suppliers, furnace equipment manufacturers and tooling producers, who will be available to discuss new and potential business opportunities with delegates and exhibition visitors alike. The exhibition area is well located, a short distance from the technical session rooms and includes a Lunch Area, three Coffee Areas and the Poster Presentations Area, which will allow for productive networking opportunities.

Further information on this event, including an up to date exhibition floor plan, sign up to join the Euro PM2019 Mailing List and receive Euro PM2019 Congress & Exhibition updates at [www.europm2019.com](http://www.europm2019.com)

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[www.europm2019.com](http://www.europm2019.com)
Thinking about using Powder Metallurgy?

Find out more with **Design for PM**
An e-learning resource for designers and engineers

Gain the benefits of PM for your components

designforpm.net