12th International Conference on Magnetism and Metallurgy

VMM 2026

16th - 18th June 2026
Beijing, China



VMM 2026

Co-organized by

首钢集团 SHOUGANG GROUP

Industrial partner

EGLA

Sponsors

LTC GROUP

Coiltech International Coil&Winding Exhibition

PTTX

PRIMETALS TECHNOLOGIES

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Scope of the conference

Established in 2004 by the Institute of Metal Forming at Technische Universität Bergakademie Freiberg, the WMM conference has long served as a global platform for advancing interdisciplinary dialogue in magnetism, metallurgy, and materials science. Since 2020, RINA has overseen the organization of the WMM conference series. Building on this legacy, WMM' 26 will continue to foster collaboration between leading researchers, industry experts, and innovators worldwide.

RINA is a trusted global company that offers a wide range of services across the Energy, Marine, Infrastructure & Mobility, Industry, Research & Development, Certification and Real Estate sectors. With over 200 offices in 70 countries and a team of 6,600 talented professionals, RINA is a knowledge-based company built on the highly specialised expertise of its people. Its multidisciplinary capabilities support clients in managing complexity and addressing technical, regulatory and sustainability challenges.

CSM is the leading industry organization in the area of metallurgy and materials in China. It is a link between scientists and technicians, and contributes to the flourish and development of metallurgy and materials science and technology worldwide.

Shougang Group, world-leading steel manufacturer and key producer of magnetic materials for electrical applications, serves as the Co-organizer of the Conference. Its expertise in metallurgy and industrial innovation strengthens the conference's mission to bridge industry and research in magnetism and metallurgy.

EGLA (Eurogroup Laminations), world leader in the design, production and distribution of Laminations & Cores for E-Motors, Generators and Transformers. Egla is the Partner and Sponsor of the Conference.

LTC Group Legnano Teknoelectric Company, world market leader in the production of magnetic cores and laminations for a wide range of transformers and reactors is also a consolidated Sponsor of WMM'26 Conference.

Furthermore, WMM '26 will also benefit from the support and sponsorship of TENOVA and PRIMETALS, as well as QUICKFairs and PTTX.

WMM' 26 will be the first edition of the conference hosted in Beijing, China.

This year's conference promises to be an exceptional forum for exchanging cutting-edge ideas, discussing emerging trends, and exploring transformative technologies shaping the future of our fields.



Topics of the WMM'26

- Progresses in Electrical Steels and other Soft Magnetic Materials grades
- Development in Fabrication of Electrical Steels and other Soft Magnetic Materials, and progress on equipment for their manufacturing
- FeSi Steels, and other Soft Magnetic Materials: advances in the optimum microstructure/texture development, and control along processing route
- Modeling of Microstructure evolution along processing routes of Electrical Steels and other Soft Magnetic Materials
- Microstructure and Magnetic properties relations: advances in understanding and products design
- Soft and Hard Magnetic Materials via Additive Manufacturing
- New Amorphous and Nanocrystalline magnetic materials to build Motors and Transformers cores
- High quality "semifinished" electrical steel with high characteristics and their application
- Electric Mobility applications - Tailoring Material Grades for the different Types of Vehicles
- Viable solutions to the problem of recharging the EV/HEV batteries
- "Conventional" and "unconventional" soft magnetic materials adapt to build distribution transformers, suitable in the realization of smart grids for EV/HEV batteries recharging
- Grades for the diverse Types of Vehicles/Motors: Optimum magnetic materials and Optimum Design
- Advances in Magnetic measurements and characterizations of soft and hard Magnetic Materials
- Electrical steel and other Soft Magnetic Materials, and their application to Magnetic field shielding



Conference chairmen

- Dr. Stefano Fortunati, RINA, Italy
- Prof. Dr. Zhiling Tian, CSM, China

Program committee

- Dr. Jian Gong, Shougang Group, China
- Dr. Stefano Fortunati, RINA, Italy
- Prof. Haitao Liu, Northeastern University, China
- Prof. Haiwen Luo, University of Science and Technology Beijing, China
- Prof. Antony Moses, Cardiff University, UK
- Prof. Jürgen Schneider, Former Prof. at Technische Universität Bergakademie Freiberg, Germany
- Prof. Marco Villani, University of L'Aquila, Italy
- Prof. Kefu Yao, Tsinghua University, China

International advisory committee

- Giuseppe Carlo Abbruzzese, Spires, Italy
- Stefano Comerio, LTC Group, Managing Director and Group Sales Manager, Italy
- Jose' Rogeiro De Oliveira, ACESITA, Brazil
- Markus Dinkel, Shaeffler, Germany
- Leonard Franchini, BU Automotive CEO Eurogroup Laminations, Mexico
- Jian Gong, Shougang Group, China
- Erik Hilinsky, Nanoneal Technologies, LLC, US
- Bevis Hutchinson, Swerim Kista, Sweden
- Sigrid Jacobs, Arcelor Mittal global R&D, Belgium
- Leo Kestens, Ghent University, Belgium
- Fernando Ladgraf, Universidade de São Paulo, Brazil
- Guangqiang Li, Wuhan University of Science and Technology, China
- Xiandong Liu, BAOWU Iron & Steel, China
- Francesco Parasiliti Collazzo, University of L'Aquila, Italy
- Giuseppe Pasquarella, lcd Laser Cut, Switzerland
- Carlo Stefano Ragusa, Politecnico of Torino, Italy
- Stefan Siebert, Brockhaus, Germany
- Matthew Swallow, Bunting Magnetic Europe, UK
- Yoshiyuki Ushigami, Nippon Steel, Japan
- Niklas Volbers, VACUUMSCHMELZE GmbH, Germany
- Weihua Wang, Chinese Academy of Sciences, China
- Markus Weber, ThyssenKrupp ES, Germany

WMM'26 important dates

- Registration (early bird) 31.01.2026
- Manuscripts Submission 06.04.2026

Secretary's office of the WMM'26

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Conference website

All the information about WMM26 can be found in the conference website.
The 12th International Conference on Magnetism and Metallurgy

Official language of the conference

The official language of the conference and all related papers and publication is English.

Registration fees

The registration fee includes conference proceeding, refreshments, lunches, welcome dinner on the first day as well as a social program and conference dinner at the second day.

Conference attendance early bird:	**5000 CNY (up to 31.01.2026)**
Conference attendance:	**6000 CNY (after 31.01.2026)**
Exhibitors:	**20000 CNY (conference + exhibition space fee)**
Conference attendance for PHD students (no social program) - EARLY BIRD:	**2500 CNY (up to 31.01.2026)**
Conference attendance for PHD students (no social program) :	**3000 CNY (after 31.01.2026)**
Gala dinner for accompanying person	**800 CNY**

For registration you are kindly asked to complete the registration form that is available in the conference website.

Posters and exhibits

WMM'26 will include a limited number of exhibits and poster papers. Preference will be given to posters presenting R&D results on materials technologies and/or devices. Authors of posters can present a paper of up to 15 pages that strictly follows the template and guidelines provided in the conference website.
In order to participate to the conference proceedings the steps are as follows:
Send a mail to the conference secretary office (cristina.forzanti@rina.org) with the proposed title and a short abstract.
Wait for a confirmation mail that the title is accepted within a few days.
Upload the manuscript on the conference website; the file needs to strictly follow the template available for download

POSTER SIZE DIMENSIONS:	0.9 m (l) x 1.2 m (h). Panels to attach the posters will be provided at the conference.
EXHIBIT SPACE:	table 1.80 m x 1 m, two chairs, electric outlet for a maximum of 1 kw each. If there are different needs, possible supplement will be evaluated. Exhibitor roll-up or banner are well accepted.

Program

The WMM26 is planned to start in the morning of June 16th 2026 and to close on June 18th 2026.
Secretary will be open for registration from the afternoon of June 15th 2026 and throughout the entire conference.
The social program (a visit to Beijing) will be held on June 19th 2026.

Preliminary list of speakers

NAME	TITLE	INSTITUTE	STATE
Giuseppe Abbruzzese	Effect of the Primary Recrystallized Texture and Microstructure on the Selectivity of Goss Grains in GO Secondary Recrystallization: The Role of Boundary Mobility and Boundary Energy Models by a MOGOCA Analysis	SPIRES	Italy
Soran Birosca	Abnormal Grain Growth in Electrical Steel	University of Portsmouth	United kingdom
Carlo Burkhardt	Recycling of RE permanent magnets of the RE-Fe-B type: Challenges and solutions	STI University of Pforzheim	Germany
José Rogério de Oliveira Júnior	Effect of cold rolling reduction on magnetic and mechanical properties of a 3.3% Si non-grain oriented electrical steel	Aperam South America	Brazil
Manuel Demper	Advancements in CoFe materials and stacking technologies for electric flight	VACUUMSCHMELZE	Germany
Markus Dinkel	Soft and hard magnetic materials and their challenges in the automotive applications	Schaeffler Electric Motors division	Germany
Marco Ghirardi	Blending flexibility to stringent product requirements: Danieli QSP-DUE for GO steel market	DANIELI	Italy
Jian Gong	Recent Development and Application of Grain-oriented Electrical Steel in China - The Art of Metallurgy for Magnetic materials	Shougang Group	China
Bevis Hutchinson	New views on anisotropy in NGO steels	Swerim AB	Sweden
Takeshi Imamura	Advancement in Industrial Solutions and Metallurgical Understanding in the Production of Top-grade Grain-Oriented Electrical Steel	JFE	Japan
Sigrid Jacobs	An overview of standardization of Electrical Steels and Magnetic Alloys, in a collaboration between magnetic material producers, machine manufacturers, universities and national institutes	ArcelorMittal Global R&D	Belgium
Gwynne Johnston	Future Direction and Drivers for GOES	Metals Technology Consulting, Inc.	USA
Leo Kestens	The Cube Fibre Annealing Texture in Non-Oriented Electrical Steel: mirage in the desert or industrial reality?	University of GENT	Belgium
Konrad Krimpelstaetter	Electrical Steel and Beyond: Upstream and Downstream Technologies for High-Efficiency Electric Machines	PRIMETALS	Austria
Seil Lee	Origin of Enhanced Goss Texture Selectivity in Fe-3%Si Steel: Insights from Secondary Annealing Processes	POSCO	Korea
Guangqiang Li	The Influence of Sulfur Content on the Magnetic Properties of Non-oriented Silicon Steel and the Refining Desulfurization of Non-oriented Silicon Steel	Wuhan University of Science & Technology	China
Haitao Liu	Microstructure, Texture Evolution and Magnetic Properties of Low Silicon Non-oriented Electrical Steels	Northeastern University	China
Haiwen Luo	Microstructural and Inhibitor Evolution in Grain-Oriented Silicon Steel Under Varied Normalizing Processes	University of Science & Technology Beijing	China
Christoph Moos	Modern Heat Treatment Concepts for production of high efficient GO and NGO steel grades	TENOVA	Italy

Preliminary list of speakers

NAME	TITLE	INSTITUTE	STATE
Francesco Parasiliti	A comparative study on the use of Amorphous Metal vs Silicon Steel in PM traction motor	University of L'Aquila	Italy
Ruilin Pei	Investigation on the Technical Performance of Various Soft Magnetic Materials Used in High-Speed Traction Motors of Next-Generation Electric Vehicles	Suzhou InnMag New Energy Ltd.	China
Jurgen Schneider Stefano Fortunati	Higher Permeability Non-Oriented Electrical Steels – Role of the Microstructure before Cold Rolling and of the Cold Rolling Process	Former University of Friberg AS&T Consulting S.r.l	Germany Italy
Stefan Siebert	Advanced Continuous Inline Loss Measurement on Grain- and Non-Grain-Oriented Electrical Steel. Technology and Results	BROCKHAUS MEASUREMENTS	Germany
Matthew Swallows	Impact of Metallurgy on Post Assembly Magnetisation of Rare Earth Magnets	BUNTING Magnet Applications	United kingdom
Genki Tsukamoto	Recent Development of Grain-Oriented Electrical Steel Sheets and Texture Development During Simple Shear Deformation	Nippon Steel Corporation	Japan
Bo Wang	Fifty Years Development of Cold Rolled Non-oriented Electrical Steel Sheets in China	BaoWu Group	China
Weihua Wang	Soft Magnetic Amorphous Alloys	Chinese Academy of Sciences	China
Kefu Yao	Research on high performance Fe-based soft magnetic amorphous alloys	Tsinghua University	China
Junjie Zhang	Key Technologies of Digital Twin for the Cores of New Energy Transformer	Wuxi Putian Iron Core Co., Ltd. ("PTTX")	China
Shaoxiong Zhou	Amorphous Magnetic Materials	China Iron & Steel Research Institute Group	China

Preliminary list of exhibitors

EGLA Eurogroup Laminations	eglagroup.com
LTC	ltc-group.com
Coiltech	quickfairs.net
RINA	rina.org
CSM	csm.org.cn
BROCKHAUS	Brockhaus.com/en/
VACUUMSCHMELZE	vacuumschmelze.com
Wuxi Putian Iron Core Co., Ltd. (PTTX)	en.pttx.com
PRIMETALS	primetals.com/en
TENOVA	tenova.com
Fives	fivesgroup.com

Proceedings

The WMM'26 proceedings, including all papers from invited speakers and posters, will be distributed at the conference in ebook format.

Visa application

People from most countries are required to obtain a visa to enter the People's Republic of China. WMM26 participants who are required to apply for visa to enter China can apply for a Chinese visa at the nearest Embassy or Consulate of China in your countries. For some visa applications, the process could take some time to complete, depending on your country of origin and certain visa restrictions so we would like to suggest you start the visa application as early as possible. For participants who need the official invitation letter for visa application, please log in your account and download it in "My Page" after paying the registration fee.
Tips: Local organizers could NOT provide conference invitation letter to accompanying personnel according to related regulations. We suggest that accompanying people apply for tourism type visa, which will be much easier and require less paperwork.

Notes:

1. You should guarantee that all information provided is true and correct.
2. In the letter for visa, we can only guarantee your stay in Beijing during the conference.
3. General visa information should be obtained from your local Embassy or Consulate of China.

If you have any questions about the invitation letter for the VISA application, please contact WMM26 SECRETARY'S OFFICE at: info@worldmagnetism.com.

Conference venue

The 12th International Conference Magnetism and Metallurgy WMM'26 will take place in Beijing at:

Shougang Park

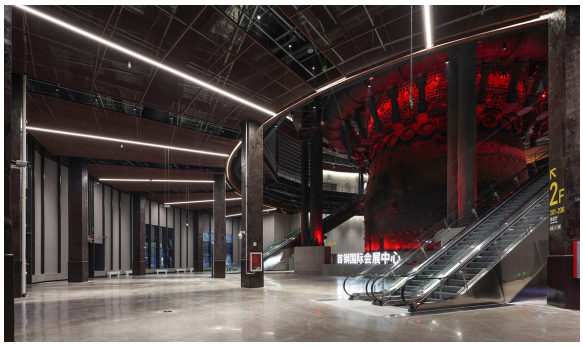
No.68 Shijingshan Rd, Beijing

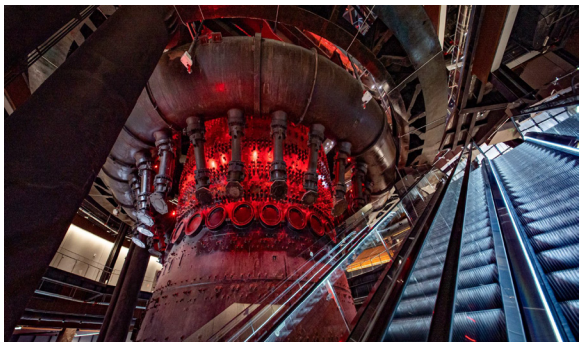
Shougang Park was included in the first batch of pilot areas for the transformation of old industrial areas in urban areas in China, national pilot areas for the comprehensive reform of the service industry, national sustainable development pilot areas, Zhongguancun national independent innovation demonstration areas, national smart city pilot areas and Beijing green ecological demonstration areas. It is the first C40 positive climate model area in China. The official entry of the Beijing Organizing Committee for the 2022 Winter Olympic and Paralympic Games in 2016 was a milestone in the development of Shougang Park.













In the past six years, Shougang Park has made breakthroughs in urban renewal with its Olympics projects, seized the opportunity of the Winter Olympic Games, focused on "cultural, industrial, ecological and vitality rejuvenation", and promoted the comprehensive completion of New Shougang Area's "Three-year Action Plan". Its infrastructure carrying capacity and environmental quality have significantly improved, high-end elements have quickly gathered and innovation vitality has been initially released. The construction of new landmarks for urban rejuvenation has achieved initial results and positive social responses. Shougang Park has become a classic case of urban renewal driven by the Olympic Movement in the world.

How to reach

Arrival by taxi

From Beijing Daxing Airport
It is about 67 kilometers and takes around 1 hour and 15 minutes, with a cost of roughly 200 yuan.
From Beijing Capital Airport
It is around 54 kilometers takes about 100 minutes. with a cost of roughly 150 yuan.

Arrival by Metro

From Beijing Daxing Airport
Take the Daxing Airport Line to Caoying Station. Transfer to Line 19 (Mudanyuan Direction) to Ping'anli Station, then transfer to Line 6 towards Jin'anqiao Station, and get off at Jin'anqiao Station. Exit from K of Jin'anqiao Station and walk for about 10 minutes to reach Shougang Park. It is about 1 hour 30 minutes and the fare is about 41 yuan.
From Beijing Capital Airport
Take the Airport Express to Sanyuanqiao Station (Beixinqiao Direction), transfer to Line 10 to Hujialou Station (Liangmaqiao Direction), then transfer to Line 6 to Jin'anqiao Station. Exit from K and walk about 10 mins to Shougang Park. It is about 1 hour 40 minutes and the fare is about 31 yuan.

Proposed accommodation

Shangri-La Hotel (★★★★★)

Shangri-La Hotel is next to the conference venue and it is also recommended hotel. The New Shougang High-end Industry Comprehensive Service Area (often referred to as the Shougang Park) is where natural beauty and man-made industry structures are perfectly merged. The Shougang Park is named "Renewal Model for Cities with an Industrial Heritage" and a "New Landmark of Beijing's Urban Renaissance." Shangri-La Shougang Park, Beijing is located at the heart of Shougang Park.

During the conference, attendees can enjoy a special rate for hotel reservations at Shangri-La Hotel. The details are as follows:

- Deluxe Room: CNY 1,000 per night, including one breakfast
- Deluxe Room: CNY 1,150 per night, including two breakfasts

To book the room, attendees should email the hotel's reservations department at Reservations.Shougang@shangri-la.com
or contact the hotel manager, Aimee Zhang, at Aimee.zhang@shangri-la.com.
Please be sure to indicate "WMM26 Conference" when making your reservation.

More details about the hotel: https://www.shangri-la.com/beijing/shangrilashougangpark/

Facilities
- Conference Facilities
- Facilities for the Physically Challenged
- Hospitality Lounge
- Lobby Lounge
- Non-smoking rooms
- Parking facilities
- Safe deposit box
- Wireless Internet in Public Areas

Services
- Babysitting/Child Care
- Butler Service in Suites
- Complimentary Shoeshine Service

- Express Check-in and Check-out
- Laundry & Valet Service
- Postal/Courier service

Travel & Transportation
- Airport Butler Service
- Car Rental Service
- Airport Shuttle Transfer
- Taxi & Limousine Service

Shops
- Foreign Exchange Counter
- Pastry Shop

Holiday Inn Express Beijing Shijingshan Lakeview (★★★)
The hotel is located in the new Shougang high-end industry comprehensive service area (new Shougang Park), close to Shougang Park winter sports training center, only one lake away from the 2022 Beijing Winter Olympic Organizing Committee Office.
It is a 10-minute walk to the conference venue.

Website: https://www.ihg.com.cn/holidayinnexpress/hotels/gb/en/beijing/peklv/hoteldetail

Holiday Inn Express Beijing Shijingshan Parkview (★★★)
The hotel is close to Xiangshan Park, Badachu Park, Shougang Industrial and cultural scenic spot, the office area of the Organizing Committee of Beijing 2022 Winter Olympic Games and winter Paralympic Games, Shijingshan Amusement Park, contemporary mall and other scenic spots and landmarks. It is close to the West Fifth Ring Road of the hotel or there are enough taxis nearby for you to go to other parts of the city.
It is a 15-minute walk to the conference venue.

Website: https://www.ihg.com.cn/holidayinn/hotels/gb/en/beijing/pegpk/hoteldetail

The city hosting the conference: Beijing

Beijing, the capital of China, is a city where the ancient culture and the modern civilization are well integrated. It attracts tens of millions of visitors and tourists both at home and abroad each year to enjoy its rich culture and wonderful scenery.

Beijing is endowed with rare cultural heritage by its long history. The Great Wall, one of the worldwide wonders and the only piece of man-made architecture that can be seen from the space, meanders through mountains and valleys for hundreds of kilometers in the region of Beijing. The poetic and picturesque Summer Palace is a classic work of the imperial garden. The Forbidden City is the most splendid architectural complex of imperial palaces in the world. The Temple of Heaven is the place of worship for emperors of Ming and Qing dynasties as well as a masterpiece of ancient Chinese architectural art. The above four have all been listed in the World Cultural Heritage by the United Nations Educational, Scientific and Cultural Organization (UNESCO). The Hutongs and the dwelling compounds (quadrangles or Siheyuan) are of the most Beijing flavored. They have witnessed the ups and downs of the city in the past centuries and are a symbol of the life of Beijing people.

Changes have been taking place day by day in Beijing as China's deepening reform and opening-up. As a popular saying goes around here, Beijing is growing taller with more massive buildings springing up, greener with trees and grass covered all over the city, and younger with people leading a richer and more colorful life in Beijing. It has full confidence to advance at a greater pace in the 21st century. This is Beijing, old as well as young, full of charm. It is our sincere hope that you will make best use of your time here to see around. We believe that you will harvest a lot.

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Second announcement - January 2026