



11th INTERNATIONAL CONFERENCE ON MAGNETISM AND METALLURGY

June 19th to 21th, 2024

L'Aquila, Italy



Industrial partner

EUROGROUP
LAMINATIONS
E-Motion for the Planet.

Sponsor



ASSOCIAZIONE
ITALIANA DI
METALLURGIA

UK Magnetic Society

In collaboration with



Coiltech
International Coil & Winding Exhibition



SCOPE OF THE CONFERENCE

The 11th International Conference Magnetism and Metallurgy WMM'24 will be held from 19 to 21 June 2024 in L'Aquila (Italy) in cooperation with University of L'Aquila.

It is organized by RINA every two years to bring together experts from the manufacturing industry of Soft and Hard Magnetic Materials scientists and electrical engineers from universities, research groups and industry, as well as companies and institutes involved in industrial applications of Magnetic Materials.

The International Conferences Series on Magnetism and Metallurgy was established in 2004 by the Institute of Metal Forming at the Technische Universität Bergakademie Freiberg. From 2020, RINA is in charge of the organization of the WMM conference series.

Dr. Stefano Fortunati is the Conference Chairman and Dr. Stefano Cicalè is the Programme Manager.

The WMM '24 Conference will be an outstanding forum for exchanging ideas on the status and future trends between experts from the industry and research institutes.

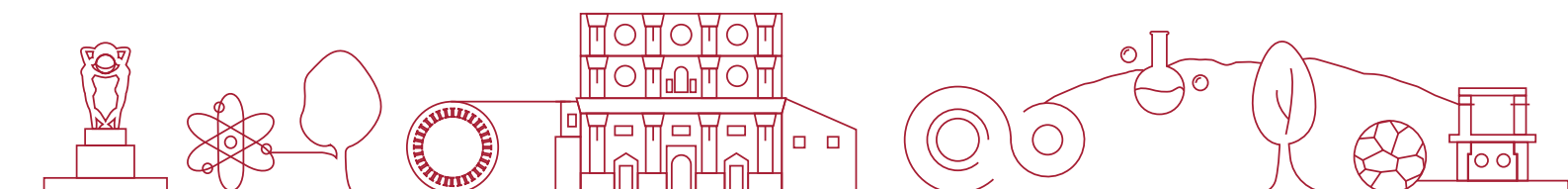
EUROGROUP Laminations, world leader in the design and construction of electrical systems with special focus on the manufacture of rotating electric machines (motors, electric generators) is the Industrial Partner and Sponsor of the Conference.

LTC Group Legnano Teknoelectric Company, world leader in the design and manufacture of electrical transformers is also Sponsor of WMM'24 Conference.

WMM '24 is also endorsed by the Associazione Italiana di Metallurgia and the UK Magnetic Society, and, as in the previous edition, will benefit from the collaboration with QUICKFairs.

The 11th International Conference WMM'24, to be held in L'Aquila in June 2024, will present the latest developments in the field of industrial Magnetic Materials, of their characteristics, their production, and their applications.

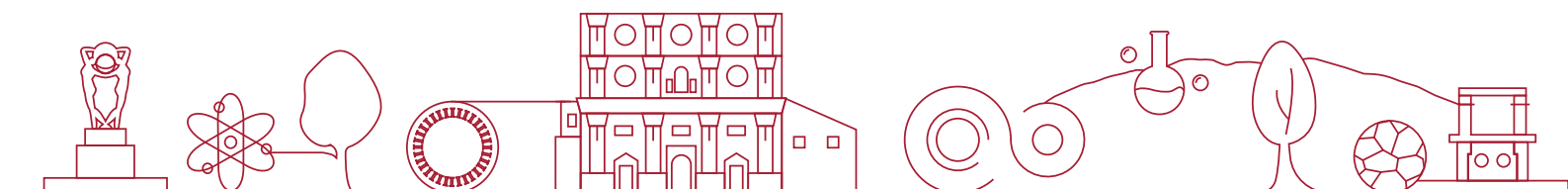
Industrial Producers of Magnetic Materials and Electrical Machines manufacturers from all over the world, as well as the main Research and Academic institutions, will have the valuable opportunity to discuss together the needs and the progress made in the field, consolidating professional relationships and establish new ones. The programme will include invited lectures and posters, which will certainly be a good reference point for future work and developments in the field in the coming years. All papers will be published in the conference proceedings, which will be distributed to participants at the conference venue.





TOPICS OF THE WMM'24

- 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 CHAIRMAN

- Dr. Stefano Fortunati, RINA, Italy



PROGRAM MANAGER

- Dr. Stefano Cicalè, RINA, Italy.



PROGRAM COMMITTEE

- Prof. Marco Villani, University of L'Aquila, Italy
 - Prof. Jürgen Schneider, Stahlzentrum Freiberg
 - Prof. Antony Moses, Emeritus Professor of Cardiff University School of Engineering
- Coordinated by the PROGRAM MANAGER, Dr. Stefano Cicalè



INTERNATIONAL ADVISORY COMMITTEE

- Giuseppe Carlo Abbruzzese, RINA, Italy
- Philippe Anderson, Cardiff University Wales
- Stefano Comerio, LTC GSM, Italy
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- Leonard Franchini, Eurotranciatuura México S.A de C.V.
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- Indradev Samajdar, IIT Bombay, India
- Stefan Siebert, Brockhaus, Germany
- Matthew Swallow, Bunting Magnetic Europe, UK
- Yoshiyuki Ushigami, Nippon Steel, Japan
- Niklas Volbers, VACUUMSCHMELZE GmbH, Germany
- Markus Weber, ThyssenKrupp ES, Germany



WMM'24 IMPORTANT DATES

- Abstract Submission 29.11.2023
- Registration (early bird) 03.01.2024
- Manuscripts Submission 04.03.2024



SECRETARY'S OFFICE OF THE WMM'24

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CONFERENCE WEBSITE

All the information about WMM24 can be found in the conference website: **WMM '24 - RINA.org**





REGISTRATION FEES

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

Conference attendance early bird:	650 EUR (up to 03.01.2024)
Conference attendance:	750 EUR (after 03.01.2024)
Exhibitors:	2500 EUR (conference + exhibition space fee)
Conference attendance for PHD students:	350 EUR (no social program included)
Gala dinner for accompanying person:	100 EUR

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



POSTERS AND EXHIBITS

WMM'24 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 14 pages that strictly follows the template and guidelines provided in the conference website. The papers should be uploaded in the conference website and will be submitted to the program manager that will inform applicants on their acceptance

POSTER SIZE DIMENSIONS: 0.7m (l) x 1 m (h). Panels to attach the posters will be provided at the conference

EXHIBIT SPACE: table, two chairs, electric outlet. If there are different needs, possible supplement will be evaluated. Exhibitor roll-up or banner are well accepted



PROGRAM

The WMM24 is planned to start in the morning of June 19th 2024 and to close in the afternoon of Friday, June 21st 2024. Secretary will be open for registration from the afternoon of June 18th 2024 and throughout the entire conference.



PROCEEDINGS

The WMM'24 proceedings book including all the papers from invited speakers and posters will be printed in full color and distributed at the conference



VISA APPLICATION

All regularly registered conference attendees who need an invitation letter for the VISA application can send their request to the **WMM24 SECRETARY'S OFFICE** mail address:

WMMconference@rina.org





CONFERENCE VENUE

The 11th International Conference Magnetism and Metallurgy WMM'24 will take place in L'Aquila at:

Centro Congressi "Luigi Zordan" ex monastero S. Basilio

Piazza San Basilio
67100 L'Aquila Italy



HOW TO REACH

An express coach service leaving directly from Leonardo da Vinci Airport (Fiumicino) and Ciampino Airport is operated by Gaspari Bus. The journey takes approximately 2 hour and 30 minutes. The bus terminates at Amiternum Hotel in L'Aquila.



PRELIMINARY HOTELS LIST NEAR THE CONFERENCE VENUE

HOTEL

Hotel Federico II

My Suite Hotel

Canadian Hotel

Hotel Azzurro

Dimora Fortebraccio

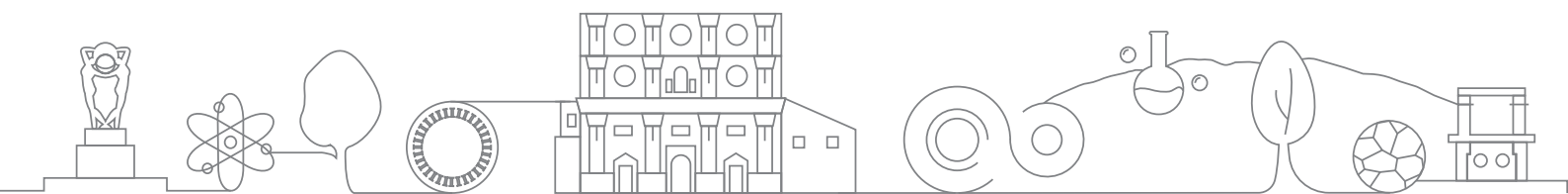


SOCIAL EVENTS FOR ALL DELEGATES

First Day Welcome Party

Second Day Gala Dinner





First announcement - July 2023