



# SMM25

25<sup>th</sup> Soft Magnetic Materials Conference

2-5 May 2022, Grenoble, France



## Call for Papers

It is our great pleasure to announce the 25th Soft Magnetic Materials Conference (SMM), to be held in Grenoble, France, the international capital of French Alps, from 2 to 5 May 2022. SMM25, as it has always been since the first event at Torino, Italy in 1973, brings academic and industrial specialists together to share and spread the latest advances on all aspects of soft magnetic materials.

The conference will provide all participants with opportunities to fruitfully exchange the latest developments, ideas and their experiences on the fields of materials properties, fundamental studies in magnetism and simulations, applications and their design during technical sessions.

With your active contributions of submitting papers and presentations as well as active participation, the SMM 2021 surely will be an academically enriching, socially enjoyable, and truly memorable experience for all participants.

On behalf of the board of the international steering committee, the editorial board and organizing committee, we cordially invite you to come to Grenoble, France, to attend SMM25.

## Presentation

The conference program will consist of invited keynote speeches, oral and poster presentations. Authors are requested to indicate their preference for giving an oral or poster presentation on the electronic submission form. The editorial board will make the final decision on the assignment of papers to sessions and presentation format. The invited presentations will be selected from the submitted digests by the editorial board. The duration of the presentations will be adapted to favor the exchanges during the oral and poster sessions.

Each paper must be presented by an author. No-show paper will not be eligible for submission to the special issue journal for publication. Poster presentations simply consisting of a hard copy of the paper is inappropriate and will be marked as a no-show paper. For more instructions on presentation formats please check the conference web page.

## Topics

- basic problems, magnetisation processes, micromagnetics, relevance of microstructures
- magnetostriction, magnetocaloric and anisotropy
- grain-oriented and non-oriented, high-silicon electrical steels
- Fe-Ni, Fe-Co and soft ferrites
- amorphous and nanocrystalline alloys
- low dimensional materials: powder cores, thin films, wire, novel and special materials
- material and circuit behavior: analysis and modeling of induction, eddy currents, losses, noise
- magnetic measurements, instrumentation and characterization methods
- transformers, motors, actuators and other power applications
- sensors, high-frequency and electronic applications
- non-destructive magnetic methods
- bio-electromagnetic and health applications
- energy and environmental aspects
- additive manufacturing, 3D printing, rapid prototyping, layered manufacturing, additive fabrication

## Digest submission and publication of papers

Authors are invited to submit 1-page digest, in line with the themes of the conference, in the format available on the conference web site. All digest must be submitted in PDF format directly on the conference website via the online submission system. Digests sent via email or regular mail will not be processed or acknowledged. After a peer-review process, the authors of the accepted short papers will be invited to present their research work at SMM25, by oral or poster presentations, and to submit 4-page full papers for possible publication in a special issue of a Journal (envisaged in the Journal of Magnetism and Magnetic Materials). More details about the format are posted on the conference web site. Authors will be informed of the status of their submission via e-mail on 15 December 2021.

## Importante dates

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|------------------------------------|-------------------------|
| • Submission of 1-page digest      | <b>18 October 2021</b>  |
| • Notification of acceptance       | <b>15 December 2021</b> |
| • Submission of 4-page full papers | <b>16 May 2022</b>      |
| • Registration opening             | <b>05 January 2022</b>  |
| • Early bird registration          | <b>14 March 2022</b>    |

## Conference organizers

The conference is organized by the Grenoble Electrical Engineering Laboratory (G2Elab, Univ. Grenoble Alpes, CNRS), with the support of Insight-Outside.

Dr. Hervé CHAZAL  
Sébastien FLURY  
Dr. Nicolas GALOPIN  
Dr. Olivier GEOFFROY  
Dr. Afef KEDOUS-LEBOUC  
Catherine VALENTIN



## Exhibition

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Exhibitions of scientific instruments, equipment, materials and computational electromagnetics software for magnetic testing and validation in conjunction with SMM25 are planned to be held during the conference. The objective is to give the participants the opportunity to be acquainted with the latest innovations offered by state-of-the-art products available on the market. Potential exhibitors are cordially asked to contact the organizer for further information or refer to the SMM25 website providing the details of exhibition guidelines.

## Chairs

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Dr. Afef KEDOUS-LEBOUC, France  
Dr. Nicolas GALOPIN, France

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## SMM25 secretariat

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If you have any question, please contact us:

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Conference website : <https://smm25.sciencesconf.org>

## Venue

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Grenoble, capital of the French Alps surrounded by a spectacular natural landscape, is the second France's most important centre of scientific research and high-tech industry after Paris. University town with several large institutions and research facilities, Grenoble is also known for its outstanding quality of life, its museums and gastronomy. Host of the 1968 Winter Olympics, the city center is the focal point for a metropolitan area of over 450,000 inhabitants, 60,000 of them students. Surrounded by the mountain ranges of Chartreuse, Vercors and Belledonne, the city lies on the bank of the river Isère. In Grenoble, you can love city life and wildlife at the same time, enjoy winter and summer altogether, mountain hikes and contemporary art exhibitions on a same day, you may strongly support sustainable development and be keen on archaeology, too.

Grenoble is easily accessible by air, train or road from ASIA, Continental Europe, UK and USA. The venue of the event, at Congress Centre Maison MINATEC, is expected to perfectly serve the organization of an enjoyable and fruitful SMM25.

