

# 2DM 2018

15<sup>th</sup> International Workshop  
on 1&2 Dimensional Magnetic  
Measurement and Testing

24-26 September 2018, Grenoble, France



## Last Call for Papers

It is our great pleasure to announce the 15th International Workshop on One and Two-Dimensional Magnetic Measurement and Testing (2DM) 2018, to be held in Grenoble, France, the international capital of French Alps, from 24 to 26 September 2018. 2DM 2018, as it has always been since the first event at Braunschweig, Germany in 1991, bring academic and industrial specialists together to share and spread the latest advances in the field of magnetic measurement and testing.

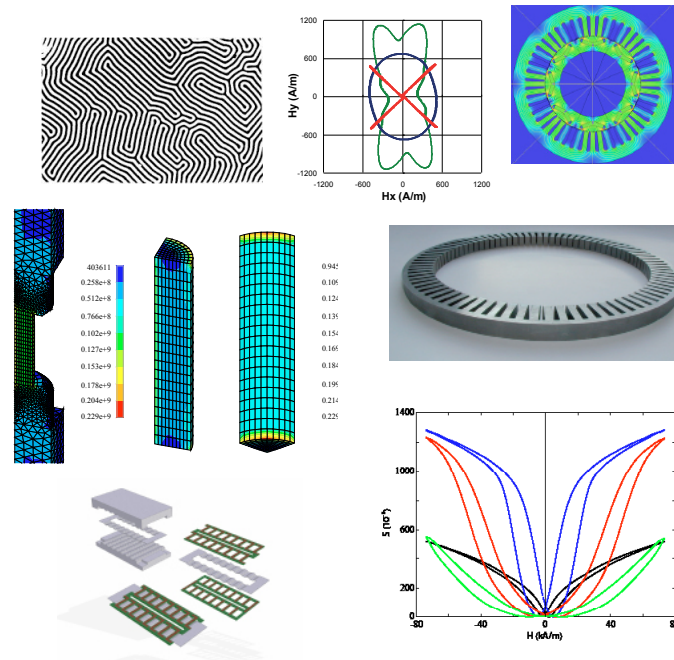
The conference will provide all participants with opportunities to fruitfully exchange the latest developments, ideas and their experiences on the fields of magnetic measurement, magnetic testing and relevant modelling during technical sessions.

With your active contributions of submitting papers and presentations as well as active participation, the 2DM 2018 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 the 2DM 2018.

## Topics

- fundamental problems, magnetisation processes and domains
- measurement and modelling of magnetic properties of soft magnetic materials, relevance of microstructures
- high frequency magnetic measurements
- characterisation of permanent magnets and their measurements
- industrial magnetic measurements and testing, measurement standards
- non-destructive magnetic testing and bio-electromagnetic testing
- magnetic sensors
- two dimensional magnetic metrology
- magnetostriction, magnetocaloric and anisotropy measurement
- modelling of magnetic material behaviours (characteristics under scalar and/or vectorial magnetic excitations including harmonics and DC offset, hysteresis and power losses, coupled phenomena, etc...)
- relevance to applications in electromagnetic devices (transformers, motors, etc...)
- other relevant topics



## Digest submission and publication of papers

Authors are invited to submit 2-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 the 2DM 2018, by oral or poster presentations, and to submit 6-page full papers for possible publication in an issue of the International Journal of Applied Electromagnetics and Mechanics (IJAEM). 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 01 June 2018.

## 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 Journal of Applied Electromagnetics and Mechanics (IJAEM) 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.

## Importante dates

- |                                    |                        |
|------------------------------------|------------------------|
| • Submission of 2-page digest      | <b>18 April 2018</b>   |
| • Notification of acceptance       | <b>01 June 2018</b>    |
| • Submission of 6-page full papers | <b>01 October 2018</b> |
| • Registration opening             | <b>01 June 2018</b>    |
| • Early bird registration          | <b>10 July 2018</b>    |

## Exhibition

Exhibitions of scientific instruments, equipment, materials and computational electromagnetics software for magnetic testing and validation in conjunction with 2DM 2018 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 2DM 2018 website providing the details of exhibition guidelines.

## Conference organizers

The conference is organized by the Grenoble Electrical Engineering Laboratory (G2E-lab, COMUE Université Grenoble Alpes, CNRS).

Dr. Hervé CHAZAL  
Dr. Nicolas GALOPIN  
Dr. Olivier GEOFFROY  
Dr. Afef KEDOUS-LEBOUC

Grenoble is easily accessible by air, train or road from ASIA, Continental Europe, UK and USA.



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## Venue

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.

The venue of the event, at GreEn-ER research center on electrical energy and renewable resources, is expected to perfectly serve the organization of an enjoyable and fruitful 2DM 2018.



## 2DM 2018 secretariat

If you have any question, please contact us:

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Conference website : <https://2dm2018.sciencesconf.org>

