



The EUROPEAN MAGNETISM ASSOCIATION

A voice for Magnetism in Europe

LATEST NEWS   

The European School on Magnetism 2020



OPENING

JEMS2020: YOUNG RESEARCHER GRANTS
MARCH 2020

2020-01-30

[All news]

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[JEMS2020: YOUNG RESEARCHER GRANTS. ABSTRACTS TILL 19 MARCH](#)

[MICROBE BEADS TO RECYCLE RARE EARTH METALS](#)

[2020 EUROPHYSICS PRIZE: CALL FOR NOMINATIONS](#)

[EMA AND AUMS SIGN A MEMORANDUM OF UNDERSTANDING](#)

[COLLABORATIVE RESEARCH CENTRE HOMMAGE ESTABLISHED](#)

FOCUS

Olivier FRUCHART, General Chair of ESM



ESM
The European School on Magnetism



JEMS
The Joint European Magnetic Symposia



JOB MARKET
Open positions related to Magnetism

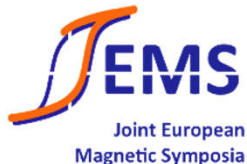
LINKS

- Agenda
- Societies
- Companies
- Tools

Advance science

JEMS conference

- Joint European Magnetic Symposia
- Yearly 500-1000 participants
- Limited number of parallel sessions
- Early carrier and career awards



Higher education

ESM school

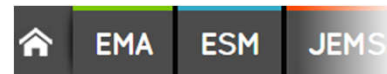
- European School on Magnetism
- Trains 100 PhDs yearly
- Lectures, practicals, library, questions



Networking

Communication

- Web site, Newsletter, Social networks
- Events, Jobs, Links
- News



Voice for the community

MoU

- SpintronicFactory
- EPS/CMD
- IEEE Mag. Soc.
- AUMS



STAY IN TOUCH

<http://magnetism.eu>



ema@magnetism.eu



EmaMagnetism



Newsletter



[company/the-ema](https://www.linkedin.com/company/the-ema) 



Objectives

EDUCATION ON MAGNETISM

basic + specialized lectures 50/50

2020: Magnetism and societal challenges

To be held 28 Sep-08 Oct, 2020, Saarbrücken, Germany. Chair: Leon Abelmann.

2019: Experimental techniques

Brno, Czech Republic (2-13 Sep 2019). Chair: Michal Urbaneč (CZ).

2018: Magnetism by Light

Krakow, Poland (17-28 Sep 2018). Chair: Marek Przybylski (PL).

2017: Condensed Matter Magnetism: bulk meets nano

Cargèse, Corsica, France (9-20th Oct 2017). Chair: Virginie Simonet (FR).

2015: From basic magnetic concepts to spin currents

Cluj-Napoca, Romania (24 Aug - 4 Sep), at Universitatea Babeş Bolyai (V. Pop, A. Pop). Chair: Laurent Vila (FR).

2013: Magnetism for Energy

Cargèse, Corsica, France (25 Feb - 8 Mar). Chair: Nora Dempsey (FR) and Oliver Gutfleisch (DE).

2011: Time-dependent phenomena in magnetism

Târgovişte, Romania. Chair: Jan Vogel (FR).

2009: Models in magnetism : from basic aspects to practical uses.

Timisoara, Romania. Chair: Claudine Lacroix (FR).

2007: New magnetic materials and their functions.

Cluj-Napoca, Romania. Chair: Olivier Isnard (FR).

2005: New experimental approaches to Magnetism

Constanta, Black Sea, Romania. Chair: Stefania Pizzini (FR).

2003: Magnetism of Nanostructured Systems and Hybrid Structures

Brasov, Romania.

NETWORKING

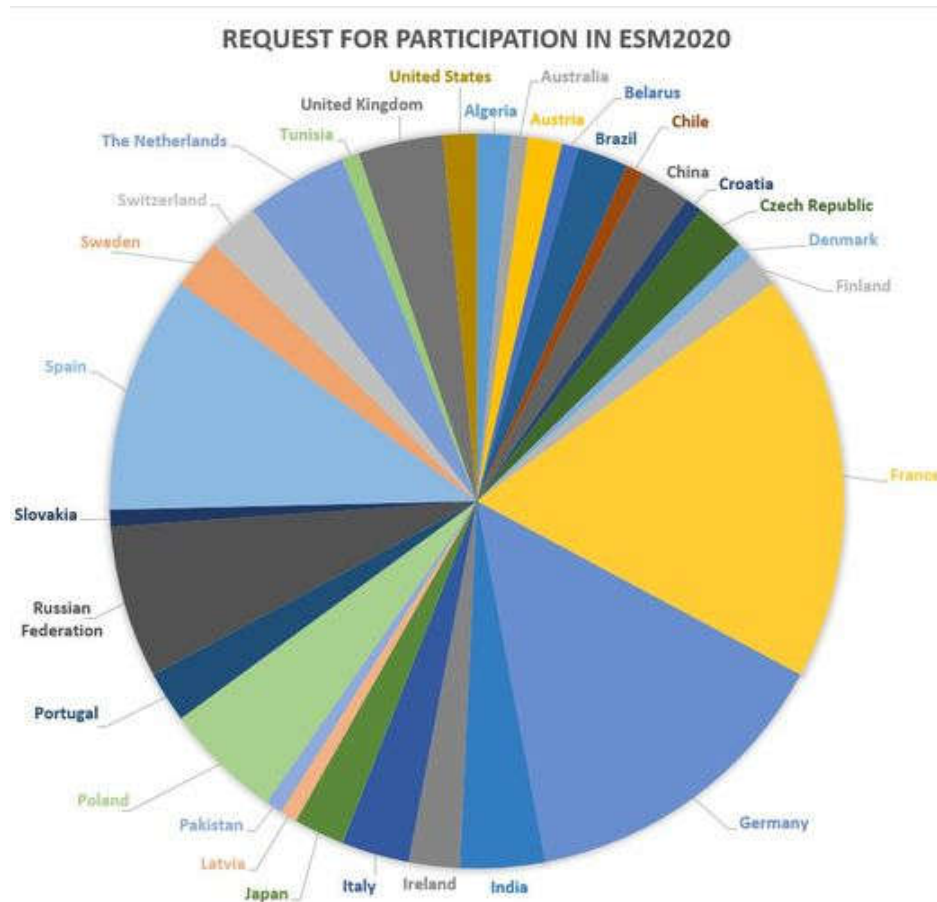
Students <-> Lecturers <-> Industry

Key facts

- Large : 90-110 students
- Long : 10/11 full days
- Broad scope ; mix communities
- Affordable for all : low cost; some grants
- Timing: yearly

Means

- 10 / 12 lecturers
- 40h interactive lectures
- Question sessions (8h)
- Practicals (4-8h per student)
- Library dedicated to magnetism
- Final critical analysis by students



- International
- Develop your scientific and team experience
- Build a community that does not disappear

Online ESM

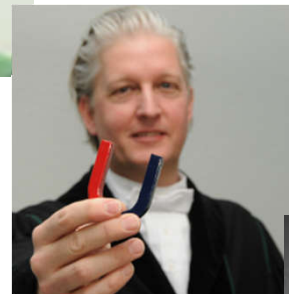
- Induced by COVID, however...
- Builds up experience to combine onsite and online for the future.
Adresses:
 - Consider students not selected
 - Carbon footprint
 - Financial and private-balance equity
 - Costs and efficiency
- Consider yourself as pioneers, whose contribution will have an impact on future schools

The chairs for 2020



Leon
ABELMANN,

Olivier
FRUCHART,
Grenoble,
France



Bertrand
DUPÉ,
Liège,
Belgium



Twente
Netherlands,
Saarbrücken
Germany





Olivier FRUCHART,
Grenoble, France



Stephen BLUNDELL,
Oxford, UK



Julie STAUNTON,
Warwick, UK



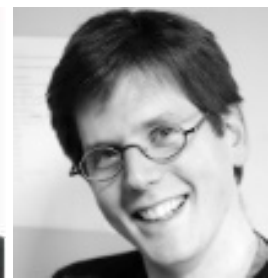
Oksana
CHUBYKALO-
FESENKO,
Madrid, Spain



Joo-Von KIM,
Orsay, France



Johannes PAULIDES,
Advanced
Electromagnetics



Thomas HAUET,
Nancy, France

AGENDA

	Mo 28/09	Tue 29/09	We 30/09	Th 01/10	Fr 02/10	
08:30 - 09:00	Introduction to the School	Chat	Chat	Chat	Chat	08:30 - 09:00
09:00 - 09:45	Olivier FRUCHART Fields, moments & units 1/2	Stephen BLUNDELL Exchange and ordering 1/2	Oksana CHUBYKALO-FESENKO, Magn. processes 1/2	Thomas HAUET Measurements 1/2	Oksana CHUBYKALO-FESENKO, Micromagnetism 1/2	09:00 - 09:45
09:45 - 10:00	Break & chat	Break & chat	Break & chat	Break & chat	Break & chat	09:45 - 10:00
10:00 - 10:45	Olivier FRUCHART Fields, moments & units 2/2	Stephen BLUNDELL Exchange and ordering 2/2	Oksana CHUBYKALO-FESENKO, Magn. processes 2/2	Thomas HAUET Measurements 2/2	Oksana CHUBYKALO-FESENKO, Micromagnetism 2/2	10:00 - 10:45
10:45 - 11:00	Break & chat	Break & chat	Break & chat	Break & chat	Break & chat	10:45 - 11:00
11:00 - 12:30	Project work	Project work	Project work	Project work	Project presentations	11:00 - 12:30
12:30 - 13:30	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break	12:30 - 13:30
13:30 - 13:45	Chat	Chat	Chat	Chat	Chat	13:30 - 13:45
13:45 - 14:30	Stephen BLUNDELL Origin of Magnetism 1/2	Julie STAUNTON Coupling with the lattice 1/2	Joo-Von KIM Transport and spintronics 1/2	Johan PAULIDES Magnetic circuits 1/2	Johan PAULIDES Industry perspective 1/2	13:45 - 14:30
14:30 - 14:45	Break & chat	Break & chat	Break & chat	Break & chat	Break & chat	14:30 - 14:45
14:45 - 15:30	Stephen BLUNDELL Origin of Magnetism 2/2	Julie STAUNTON Coupling with the lattice 2/2	Joo-Von KIM Transport and spintronics 2/2	Johan PAULIDES Magnetic circuits 2/2	Johan PAULIDES Industry perspective 2/2	14:45 - 15:30
15:30 - 16:00	Break & chat	Break & chat	Break & chat	Break & chat	Break & chat	15:30 - 16:00
16:00 - 17:00	Question session	Question session	Question session	Question session	Question session	16:00 - 17:00
17:00 - 18:00	Poster session	Project work	Poster session	Project presentations	Project presentations	17:00 - 18:00

- 📄 Lectures – Lecturers
- 📄 Projects – Mentors
- 📄 Questions – All
 - Forum, facebook, lectures
 - Sessions
- 📄 Posters – YOU

▼ European School on
Magnetism 2020
(EUSM2020-1)

Activities

General sessions

Lectures  List of lectures, slides, any other material. **Main class room.**

Projects  Group space: students + mentor. **Dedicated private room.**

Questions  Chat in forum + question sessions. **Main class room.**

Posters

My notifications

Announcements

Agenda

Course and chat rooms  Direct link to all rooms.

Forums  Scientific questions (may be anonymous) | Organizational









Social corner  Who's who, and any type of networking

Send an eMail to...  Note: we are not allowed to display individual Emails

Help

Partager du contenu

Contenu principal

-  Partager un tableau vide  Collaborative drawing on white board
-  Partager l'application/l'écran  Share screen or app window
-  Partager la webcam  Share webcam
-  Partager des fichiers  Provide access to files

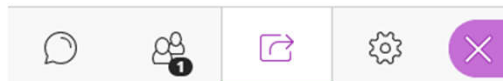
Contenu secondaire

-  Sondage  Organize a poll

Interaction

-  Groupes de travail >

 Chat with moderators or all



Slides and recording

- Slides available on lecture space + ESM web site (slides since 2003)
- Recordings
 - Copyright belongs to lecturer
 - Private recording and sharing is prohibited
 - ESM sessions will be recorded and may be shared with the lecturer's consent



Technical aspects

- Be connected 5 min before each session for possible announcements
- Favor headsets versus speakers and microphone, turn off the mic unless you need it, for the sake of avoiding echo.
- Must be followed on computers, not on phone or tab
- Certificates of attendance and payment issued after the school ends