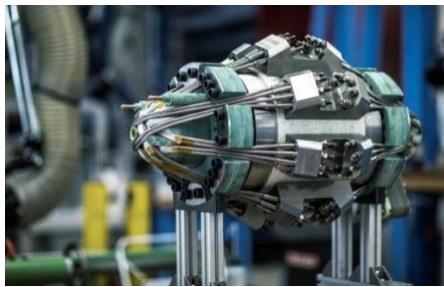


PRESS INVITATION 1|2 pages

27 November, 2014 | EMFL Signing Ceremony | 4 p.m. | Huisa President Park Hotel Brussels

Europe's Magnet Laboratories Form an Even Stronger Bond

European Magnetic Field Laboratory gets a new headquarter in Brussels



After years of successful scientific collaboration and constant improvement the European Magnetic Field Laboratory (EMFL) will finally become a legal entity in Brussels, Belgium (an Association Internationale Sans But Lucratif, AISBL). With the official launch meeting on November 27 the three autonomous laboratories with four sites in three countries will act together as a single entity that develops and operates world class high magnetic field facilities.

By offering the strongest magnetic fields possible, the EMFL enhances the understanding of materials and boosts developments in science and engineering. Magnetic fields act as a magnifying glass to visualize the behavior of electrons inside materials and therefore are a very powerful tool for condensed matter research. It is no surprise that many Nobel Prizes have been obtained with magnetic fields playing an essential role. The magnet technology at EMFL is world class and serves as a driving force for industrial innovation.

The founding organisations are the French CNRS (Centre National de la Recherche Scientifique), the German research center HZDR (Helmholtz-Zentrum Dresden-Rossendorf) and the Dutch RU/FOM (Radboud University Nijmegen and Foundation for Fundamental Research on Matter). Over the last five years, 1350 scientific projects have been submitted to the EMFL facilities. This resulted in over 1000 publications in peer reviewed journals since 2009, of which 30 were published in the highest impact journals like the Nature group or Science.

“With labs in Dresden, Grenoble, Toulouse and Nijmegen, we are truly embracing the European spirit and offering a unique research infrastructure for in-house and external users”, says EMFL coordinator Jan Kees Maan. The Dresden High Magnetic Field Laboratory and the LNCMI Toulouse (Laboratoire National des Champs Magnétiques Intenses) specialise in pulsed magnetic fields close to 100 Tesla. For the highest static fields researches can use the infrastructure at the LNCMI Grenoble and the High Field Magnet Laboratory in Nijmegen. These labs also provide a very sophisticated infrastructure for experiments with ultra-low temperatures or with short laser pulses in combination with the fields. “This way, we offer many different research approaches for varying scientific projects of our users”, explains the EMFL coordinator.

The EMFL legal structure will allow other European partners to join the EMFL. Thus, new members striving for research opportunities at the highest possible magnetic fields can be included. A large number of the EMFL users actually utilise already several of the EMFL sites. “Presently, negotiations with potential new EMFL members are going on”, says Jan Kees Maan.

Media representatives are cordially invited to join the event on **27 November 2014** for the EMFL presentation and signing ceremony (at 4 p.m.). Afterwards the scientists are available for further information at the reception.

Time: 1.30 p.m.

Place: Husa President Park Hotel Brussels
Boulevard du Roi Albert II, 44
1000 Brussels, Belgium

Schedule: 1.30 – 2.00 p.m. Coffee & Tea
2.00 – 2.30 p.m. Opening
2.30 – 4.00 p.m. Science, Technology, Magnets and Users at the EMFL
4.00 – 4.20 p.m. Break
4.20 – 4.45 p.m. Signing Ceremony of the EMFL Agreement
4.45 – 5.30 p.m. Reception

Registration via e-mail at aline.schwoob@lncmi.cnrs.fr

Caption: A coil at the Dresden High Magnetic Field Laboratory that is used for generating high magnetic fields. (Photo: HZDR/Oliver Killig)

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Further Information Online:

EMFL Website

<http://www.emfl.eu>

EMFL Sites

Dresden | <http://www.hzdr.de/hld>

Toulouse & Grenoble | <http://lncmi.cnrs.fr/>

Nijmegen | <http://www.ru.nl/hfml/>

EMFL on Youtube

<http://www.youtube.com/user/EMFLchannel>