



Agenda for the 1st Workshop of the ERA.Net RUS Plus Project “MAGNES”

**Hard magnetic materials and high-current high-field superconductors
for innovative technologies**

February 2-3, 2017, International Laboratory, Wrocław

February 2 (Thursday)

- 12:00 – 13:00 Arrival of the guests, formal matters, lunch at IL
- 13:00 – 13:10 **Krzysztof Rogacki**
International Laboratory of High Magnetic Fields and Low Temperatures
Opening
- 13:10 – 13:40 **Jacek Ćwik**
International Laboratory of High Magnetic Fields and Low Temperatures
Magnetic Materials with Properties stable over a wide temperature range
- 13:40 – 14:10 **Natalia Kolchugina**
Tekhma, Baikov Institute and JSC Spetsmagnit,
Peculiarity of Pr-containing Nd-Fe-B permanent magnets
- 14:10 – 14:40 **Yurii Koshkid'ko**
International Laboratory of High Magnetic Fields and Low Temperatures
Magnetocaloric effect of Heusler alloys in high magnetic fields; high-coercivity permanent magnets for low-temperature application
- 14:40 – 15:00 Coffee break
- 15:00 – 15:30 **Günter Fuchs**
IFW Dresden - The Leibniz Institute for Solid State and Materials Research Dresden
Hybrid superconducting magnetic bearing with improved stability
- 15:30 – 16:00 **Daniel Gajda**
International Laboratory of High Magnetic Fields and Low Temperatures
Enhancement of the pinning centers density and structure by using hot isostatic pressure of 1.2 GPa in Ba(Fe_{1.92}Co_{0.08})₂As₂ superconducting materials
- 16:00 – 16:15 **Anton Los**
International Laboratory of High Magnetic Fields and Low Temperatures
Pulse Magnetizer: magnetizing permanent magnets and superconductors with a pulse technique
- 18:30 – 21:30 Dinner in the downtown for Project implementers
(meeting at the Fredro monument)



February 3 (Friday)

10:00 – 10:40

Ludwig Schultz

IFW Dresden - The Leibniz Institute for Solid State and Materials Research Dresden

**Interaction of Ferromagnetic and Superconducting Permanent Magnets:
Quantum Levitation"**

10:40 – 10:45

Krzysztof Rogacki

International Laboratory of High Magnetic Fields and Low Temperatures

Workshop closing remarks

Meeting for Project implementers

11:00 – 11:30

Krzysztof Rogacki

International Laboratory of High Magnetic Fields and Low Temperatures

Report on the project progress

11:30 – 12:30

Discussion: the project progress, strategy, near-future activities, others
K. Rogacki - moderator

12:30 – 14:00

Lunch at IL, informal meetings

14:00

End of the Meeting