



## Magnetic resonance in highly frustrated magnetic systems



February 1-4, 2010  
Kranjska Gora, Slovenia

[http://titan.ijs.si/Pulsed\\_ESR/HFMR\\_2010/](http://titan.ijs.si/Pulsed_ESR/HFMR_2010/)

## SECOND ANNOUNCEMENT AND CALL FOR PAPERS

EUROPEAN  
SCIENCE  
FOUNDATION

 Institut "Jožef Stefan"

## About HFMR 2010

In the past decade, frustration in lattices that are less coordinated than the triangular one has been shown to lead to a stabilization of novel states. Such magnetic networks are observed in kagomé and pyrochlore systems (lattices of corner sharing triangles and tetrahedra, respectively) and beyond. Magnetic resonance techniques, i.e. solid state nuclear magnetic resonance (NMR), electron paramagnetic resonance (EPR) or muon spin relaxation/rotation ( $\mu$ SR), are key experimental techniques for studying magnetically frustrated systems.

Subjects included:

### Materials

- kagomé and pyrochlore systems
- spin liquids, orbital liquids, ...
- systems when there is a competition between various degrees of freedom (magnetic, charge, orbital, elastic, ...)

### Experimental techniques

- Nuclear magnetic resonance
- Electron paramagnetic resonance
- Muon spin relaxation
- Theory

## Abstract submission

Abstracts should be submitted via e-mail to the address of the conference secretariat: [hfm@ijs.si](mailto:hfm@ijs.si). Abstract submission deadline is October 15, 2009. Received copies of accepted contributions will be published in Book of Abstracts. Please, prepare your abstract according to the abstract LaTeX template (plain text is also accepted), which can be downloaded from the home page of conference

[http://titan.ijs.si/Pulsed\\_ESR/HFMR\\_2010/submit.html](http://titan.ijs.si/Pulsed_ESR/HFMR_2010/submit.html)

## Important dates and deadlines

15.10.2009 - Abstract submission deadline  
15.11.2009 - Abstract acceptance notification  
1.12.2009 - Registration deadline  
1.-4.2.2010 - Workshop

## Preliminary list of speakers

### NMR session

Philippe Mendels (Universite Paris-Sud 11, Paris)  
Claude Berthier, (GHMFL, Grenoble, France)  
Pietro Carretta (University of Pavia, Italy)  
Raivo Stern (NICPB, Estonia)

### EPR session

Sergei Zvyagin (HLD, Dresden, Germany)  
Hans-Albrecht Krug von Nidda (University of Augsburg, Augsburg, Germany)  
Yugo Oshima (RIKEN, Saitama, Japan)

### $\mu$ SR session

Amit Keren (Technion, Haifa, Israel)  
Pierre Dalmas de Reotier (CEA, Institute for Nanoscience and Cryogenics, Grenoble)

### Theory session

Frederic Mila (EPFL, Lausanne, Switzerland)  
Masaki Oshikawa (University of Tokyo)

## Conference site and Accommodation

**Kranjska Gora** is the leading ski resort in Slovenia. The lift system provides access to a wide variety of ski-slopes suitable for skiers of all levels. Activities include skiing, snowboarding, cross-country & night skiing, ice-skating and sleigh rides. For ski spectators each year the mountains around Kranjska Gora host the Alpine Ski World Cup. In 2010 it is scheduled for January 30-31!



The Workshop will be held at the **Hotel Špik\*\*\*\***, where we booked a number of hotel rooms. Participants are kindly asked to submit accommodation form (which will appear soon at the conference home page) directly to the Hotel Management. Alternatively, 4-bed apartments at the walking distance to the Conference Hotel may also be rented. If you are interested in this option, please contact conference organisers directly. You may find detailed information about the Conference Hotel at:

<http://www.hitholidays-kg.si/home>

## **Registration**

All participants who wish to attend the *Magnetic resonance in highly frustrated magnetic systems* Workshop will have to submit their registration form before December 1, 2009. Due to the kind financial support of European Science Foundation Network "Highly Frustrated Magnetism" and Slovenian Research Agency there will be no registration fee.

The registration will be open from October 10, 2009.

## **Local organising committee**

Denis Arčon (conference chair)

Andrej Zorko

Peter Jeglič

Martin Klanjšek

Matej Pregelj

Anton Potočnik

## **International programme committee**

Philippe Mendels (FR)

Steven T. Bramwell (UK)

Serge Hoste (BE)

Mats Johnsson (SE)

Amit Keren (IL)

Claudine Lacroix (FR)

Peter Lemmens (DE)

Benjamin Martinez Perea (ES)

Frédéric Mila (CH)

Martin Orendac (SK)

Ana Smontara (HR)

Raivo Stern (EE)

Janez Dolinšek (SI)

## **Financial support**

The Workshop is financially supported by European Science Foundation Network "Highly Frustrated Magnetism" and Slovenian Research Agency.

## **Further information**

Requests and further information should be sent to:

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