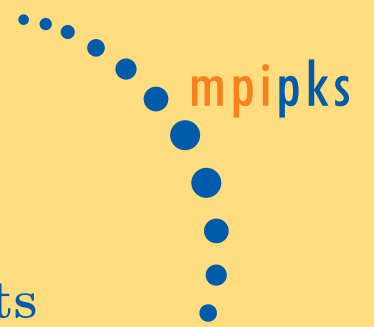




MAX-PLANCK-INSTITUT FÜR PHYSIK KOMPLEXER SYSTEME  
DRESDEN, GERMANY



## International ISSP-MPIPKS Workshop on Impurities and Textures in Unconventional Magnets

2 - 4 April 2012

*Scientific coordination:*

<b>Roderich Moessner</b> Max Planck Institute for the Physics of Complex Systems Dresden, Germany	<b>Hirokazu Tsunetsugu</b> The Institute for Solid State Physics The University of Tokyo Chiba, Japan
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*Organisation:*

**Katrin Lantsch**

Impurities play an important role in the study of new spin states. On one hand, they are an important fact of life when analysing magnetic compounds such as putative spin liquids in their imperfect materials realisations. On the other, they can act as formidable probes of spin states which are otherwise featureless, such as topological spin liquids. In particular, they have been found both to enhance or inhibit ordering tendencies, or to nucleate extended textured spin patterns around them.

More broadly, the appearance of textures is a particular form of unconventional order in magnetism, an extreme form of non-collinearity which may be stabilised by a number of mechanisms such as spin-orbit coupling or flux-charge commensurability.

This three-day workshop is devoted to exploring these two aspects of unconventional magnetism in a focused manner.

### List of invited participants:

<b>Fabien Alet</b> (Université Paul Sabatier, France)	<b>Olexei Motrunich*</b> (Caltech, USA)
<b>Leon Balents</b> (University of California, USA)	<b>Satoru Nakatsuji</b> (ISSP, Japan)
<b>Claudio Castelnovo</b> (University of Oxford, UK)	<b>Masaki Oshikawa</b> (ISSP, Japan)
<b>John Chalker</b> (University of Oxford, UK)	<b>Didier Poilblanc</b> (Université Paul Sabatier, France)
<b>Kedar S. Damle</b> (Tata Institute, India)	<b>Achim Rosch*</b> (Universität zu Köln, Germany)
<b>Benoît Douçot</b> (LPTHE, France)	<b>Peter E. Schiffer</b> (Penn State University, USA)
<b>Siân Dutton</b> (Princeton University, USA)	<b>Arnab Sen</b> (MPIPKS, Germany)
<b>Claudia Felser</b> (MPI CPfS, Germany)	<b>Yoshinori Tokura</b> (The University of Tokyo, Japan)
<b>Kazushi Kanoda</b> (The University of Tokyo, Japan)	<b>Simon Trebst</b> (Universität zu Köln, Germany)
<b>Naoki Kawashima</b> (ISSP, Japan)	<b>Jeroen van den Brink</b> (IFW Dresden, Germany)
<b>Dmitry Kovrizhin</b> (MPIPKS, Germany)	<b>Matthias Vojta</b> (TU Dresden, Germany)
<b>Philippe Mendels</b> (Université Paris-Sud, France)	(* to be confirmed)

**Applications** for participation and poster contributions are welcome and should be submitted by using the application form on the workshop's web page (please see URL below). The number of attendees is limited. The **registration fee** for the workshop is **120 €** and should be paid by all participants. Costs for accommodation and meals will be covered by the Max Planck Institute for the Physics of Complex Systems. Limited funding is available to partially cover travel expenses. Please note that childcare is available upon request.

**Applications received before 15 February 2012 are considered preferentially.**

### For further information please contact:

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