



## SPEAKERS AND LECTURE CONTENT

**Prof. Dr. S. O. Demokritov**

*University of Muenster*  
Magnetic excitation in nanostructures

**Dr. L. Müller**

*DESY (HASYLAB) Hamburg*  
Ultrafast dynamics of magnetic  
domain structures probed  
by coherent Free-Electron Laser light

**Dr. G. Schneider**

*BESSY m.b.H. Berlin*  
X-ray and electron microscopy

**Prof. Dr. S. Melandri**

*University of Bologna*  
Microwave spectroscopy of biomolecules  
and their weakly bound molecular complexes

**Dr. V. Prokhorenko**

*CFEL Hamburg*  
Introduction to ultrafast  
multidimensional Spectroscopy

**Dr. J. Simonet**

*Institute of Laser Physics Hamburg*  
Ultracold quantum gases

Lectures are conceived for all PhDs and Postdocs of the different research areas A, B and C of CUI. The focus is put on connecting the different fields of interest, getting to know the other projects within CUI and the establishment of good communication within the Cluster of Excellence.

The basic knowledge of the three research areas will be presented and discussed. This will happen among the participants themselves as well as with more advanced researchers.

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# WINTER SCHOOL OF CUI

AT THE UNIVERSITÄTSZENTRUM  
OBERGURGL (AUSTRIA)

Organization Committee: *Dipl. Phys. Kai Bagschik / Dipl. Phys. Johannes Schurer*  
Graduate School: Spokesperson: *Prof. Dr. Peter Schmelcher* / Coordinator: *Dr. Antonio Negretti*

