

# Neutrons and Muons for Magnetism

The 2019 edition of the SISN Advanced School  
2-6 September 2019, Ispra (Varese) Italy

## Programme

	Sunday 1 September	Monday 2 September Day 1	Tuesday 3 September Day 2	Wednesday 4 September Day 3	Thursday 5 September Day 4	Friday 6 September Day 5
9:00		9:00 - 10:30 <i>Neutrons: a quantum probe for magnetism. General introduction to techniques and instrumentation.</i> <b>R. Caciuffo</b>	9:00 - 10:30 <i>Magnetic diffraction</i> <b>B. Grenier</b>	9:00 - 10:30 <i>Polarized neutrons</i> <b>A. Wildes</b>	9:00 - 10:30 <i>Single crystal TOF spectrometry/Introduction to Horace</i> <b>T. Perring</b>	9:00 - 10:30 <i>Magnetic reflectometry</i> <b>C. Kinane</b>
10:00		10:30 - 10:45 Coffee break	10:30 - 11:00 Coffee break	10:30 - 11:00 Coffee break	10:30 - 11:00 Coffee break	10:30 - 11:00 Coffee break
11:00		10:45 - 12:15 JRC Visitor Centre Guided Tour	11:00 - 12:30 <i>Inelastic neutron spectrometry</i> <b>H. Walker</b>	11:00 - 12:30 <i>Triple axis spectrometry and polarimetry</i> <b>M. Enderle</b>	11:00 - 12:30 <i>Tutorial on Horace</i> <b>T. Perring/H. Walker</b>	11:00 - 12:30 <i>Magnetic SANS</i> <b>S. Mühlbauer</b>
12:00		12:15 - 13:30 Lunch & free time	12:30 - 14:00 Lunch & free time	12:30 - 14:00 Lunch & free time	12:30 - 14:00 Lunch & free time	12:30 - 14:00 Lunch & free time
13:00		13:30 - 15:00 <i>Introduction to muons spectroscopy techniques and their applications to magnetism.</i> <b>S. Sanna</b>	14:00 - 16:00 <i>Tutorial on MuSR data treatment/neutron diffraction</i> <b>S. Sanna/B. Grenier</b>	14:00 - 15:30 <i>Diffuse scattering</i> <b>J. Paddison</b>	14:00 - 15:30 <i>Introduction and Tutorial on SpinW (I)</i> <b>S. Ward/D. Le</b>	14:00 - 15:30 <i>Tutorial on Magnetic reflectometry/SANS</i> <b>C. Kinane/S. Mühlbauer</b>
14:00		15:00 - 16:00 <i>Magnetic Technologies for the 21st Century</i> <b>S. S. P. Parkin</b>		15:30 - 16:00 Coffee break	15:30 - 16:00 Coffee break	15:30 - 16:00 School Conclusions <b>TG/RC</b>
15:00		16:00 - 16:30 Coffee break	16:00 - 16:30 Coffee break	16:00 - 17:30 <i>Tutorial on spinvert/polarized neutrons</i> <b>J. Paddison/A. Wildes</b>	16:00 - 17:30 <i>Tutorial on SpinW (II)</i> <b>S. Ward/D. Le</b>	16:30 - 22:00 Excursion and self-paid dinner at Lake Maggiore islands
16:00		16:30 - 17:30 <i>Disruptive Topological Materials Science.</i> <b>C. Felser</b>	16:30-18:30 <i>Tutorial on neutron diffraction/MuSR data treatment</i> <b>B. Grenier/S. Sanna</b>			
17:00	17:30 - 18:30 Welcome drinks and school introduction <b>T. Guidi &amp; R. Caciuffo</b>			18:30 - 19:30 <i>Chirality and topology in magnetic multilayers</i> <b>V. Cros</b>		
18:00	18:30 - 19:00 Students self-introduction					
19:00						
19:30	19:30-21:30 Dinner	19:30-21:30 Dinner by the lake	19:30-21:30 Dinner	19:30-21:30 BBQ Dinner	19:30-21:30 Dinner Club House	

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Directors

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