

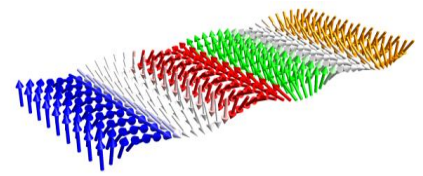
Programme

Monday, May 19

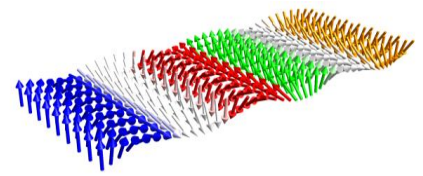
- 09:30-10:30 Registration and Poster Organisation - 2nd floor landing, Science East
09:45-10:30 **Welcome Reception and Presentation to Ambassador of France in Ireland by Chancellor of the National University of Ireland – 2nd floor landing, Science East**

Lecture Programme – Intel Theatre (Theatre E), Science Hub

- 10:30-11:00 Prof. Michel Verdaguer (University Pierre et Marie Curie) France
Some magnetic moments with molecules, from copper acetate to Horizon 2020
- 11:00-11:20 Prof. Martin Albrecht (Univ. College Dublin) Ireland
A synthetic approach to rationally modulate magnetic properties
- 11:20-11:30 Ms. Michelle Harris (Univ. College Dublin) Ireland
Symmetry Breaking and Spin Crossover in Manganese(III) Complexes
- 11:30-11:45 **Coffee**
- 11:45-12:15 Prof. Jürgen Schnack (Universität Bielefeld) Germany
Yes, we can! Advanced quantum methods for the largest magnetic molecules
- 12:15-12:35 Dr Liviu Ungur (KU Leuven) Belgium
Ab initio investigation of electronic and magnetic properties of $[Ln(COT)_2]$ and $Ln_2(COT)_3$ systems. Why $[Er(COT)_2]$ is a much better SMM than $[Dy(COT)_2]$?
- 12:35-12:45 Ms Irina Kühne (Karlsruhe Institute of Technology) Germany
From two tetranuclear $\{Cu^{II}_2Dy^{III}_2\}$ cluster to an octanuclear $\{Cu^{II}_4Dy^{III}_4\}_2$ cluster showing Single Molecule Magnet behaviour from field accessible states
- 12:45-12:55 Dr Manase Ako Ayuk (KIT/UCD) Germany/Ireland
All-round Robustness of the Mn_{19} Coordination Cluster System: Experimental Validation of a Theoretical Prediction
- 12:55-14:00 **Lunch**
- 14:00-14:30 Prof. Hans-Jörg Krüger
Spin-crossover in cobalt(II) complexes as a means of switching organic ligands from a closed-shell to an open-shell state

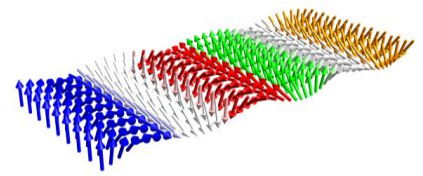


- 14:30-14:40 Dr Helge Müller-Bunz, (Univ. College Dublin) Ireland
Crystallographic Phase Transitions: Experimental Difficulties in Triggering and / or Observing them
- 14:40-15:10 Dr Cédric Desplanches (ICMCB) France
Fe(III) Spin-crossover Complexes and Light : uncommon features
- 15:10-15:20 Dr Abhishek Mondal (KIT/UCD) Germany/Ireland
On/Off- Photoswitch in a cyanide-bridged 3d-5d molecular system
- 15:20-15:35 Dr Jonathan Kitchen (Univ. of Southampton) UK
Spin-Crossover in Soft Materials: An introduction to Langmuir based techniques for surface immobilisation of SCO complexes
- 15:35-15:50 **Coffee**
- 15:50-16:20 Prof. Yann Garcia (Université Catholique de Louvain) Belgium
Tailoring N-salicylidene derivatives and azole based ligands for thermo- and photochromism applications
- 16:20-16:40 Mr. Anthony Fitzpatrick (Univ. College Dublin) Ireland
Geometric Modulation of the Jahn-Teller Distortion in Manganese(III)
- 16:40-17:00 Dr Patrick Rosa (ICMCB) France
Properties of thin and ultrathin films of sublimable spin crossover complexes
- 17:00-17:30 Prof. Kamel Boukheddaden (UVSQ) France
Photo-control of the high-spin low-spin interface inside the thermal hysteresis loop of a spin-crossover single crystal: experience and theory
- 17:30-18:00 Dr Valérie Marvaud (Université Pierre et Marie Curie) France
A Promising Route to Multi-Functional Magnetic Compounds
- 18:00-19:30 **Wine Reception and Poster Session**
- 19:30-20:30 Optional attendance at Dublin Institute of Advanced Studies Statutory Lecture
Professor Freeman Dyson, Institute of Advanced Studies, Princeton
Are Brains Analog or Digital?
Theatre D, Science Hub
- 20:30-22:30 **Workshop Dinner, Stillorgan Park Hotel**



Tuesday, May 20:

- 09:30-10:00 Prof. Hans-Benjamin Braun (Univ. College Dublin) Ireland
Topological effects in Nanomagnetism: From Perpendicular Recording to Monopoles
- 10:00-10:20 Dr Solveig Felton (Queen's University Belfast) Northern Ireland
Lorentz Transmission Electron Microscopy Study of Three Dimensional Artificial Spin Ice
- 10:20-10:30 Dr Jill Guyonnet (Univ. College Dublin) Ireland
Ferroic domain walls as disordered elastic interfaces
- 10:30-11:00 Prof. Stefano Sanvito (CRANN/TCD) Ireland
Finding new magnets and finding them fast
- 11:00-11:20 **Coffee**
- 11:20-11:30 Dr Sharali Malik (Karlsruhe Institute of Technology) Germany
Structural modification and Self-Assembly of Nanoscale Magnetite Synthesized in the Presence of an Anionic Surfactant
- 11:30-12:00 Prof. Jean-Marc Greneche (LUNAM Université du Maine)France
Magnetic nanoarchitectures investigated by ^{57}Fe Mössbauer spectrometry
- 12:00-12:30 Dr Anne-Laure Barra (LNCMI Grenoble) France
HF-EPR study of small heterometallic spin clusters
- 12:30-13:00 Dr Francis Pratt (Rutherford Appleton Laboratory) UK
Dipolar-driven Magnetic Ordering in the Single Molecule Magnet System Fe_{19} studied using μSR and Monte Carlo Simulation
- 13:00-14:00 **Lunch**
- 14:00-14:30 Prof. Marty Gregg (Queen's University Belfast) Northern Ireland
Ferroelectrics inspired by Ferromagnetism: Searching for Ferroelectric Vortices and Domain Wall Devices
- 14:30-14:45 Dr Brian Rodriguez (Univ. College Dublin) Ireland
Characterising Local Ferroelectric and Magnetic Properties of Multiferroic Heterostructures by Scanning Probe Microscopy



- 14:45-15:00 Dr Lynette Keeney (Tyndall National Institute) Ireland
Magnetic Field-Induced Ferroelectric Switching in Multiferroic Aurivillius Phase Thin Films at Room Temperature
- 15:00-15:15 Dr Andrea Droghetti (CRANN/TCD) Ireland
Electronic transport in 2D and 3D topological insulator nanostructures
- 15:15-15:30 Dr Remo Hügli (Univ. College Dublin) Ireland
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- 15:30-15:50 **Coffee**
- 15:50-16:10 Dr Peter Nockemann (Queen's University Belfast) Northern Ireland
Switchable Paramagnetism and Thermochromism of Cobalt(II) in Thiocyanate Ionic Liquids
- 16:10-16:30 Dr Kasper Pedersen (Univ. of Copenhagen) Denmark
Cool surprises with fluoride-bridged molecular magnetic architectures
- 16:30-16:40 Prof. Marilena Ferbinteanu, (Univ. of Bucharest) Romania
Advancing into the new paradigms of molecular magnetism by case studies. A chemist's perspective on the magnetic anisotropy
- 16:40-17:00 Dr Ghenadie Novitchi (LNCMI Grenoble) France
NMR Study of Ligand Exchange and Electron Self-exchange Between Oxo-centered Trinuclear Clusters
- 17:00-17:30 Prof. Annie Powell (KIT/UCD) Germany/Ireland
Cyclic Coordination Clusters incorporating Fe-4f building blocks
- 17:30 **Meeting Close**