



IUCr Commission on Magnetic Structures



25th Congress and General Assembly
of the International Union of Crystallography
14-22 August 2021, Praha, Czech Republic

12 April 2021

Dear Colleagues,

The 2021 IUCr Congress in Praha (www.iucr25.org) will be must-attend meeting for researchers involved in the determination and application of high-quality magnetic-structures. We'll have broad representation from research groups around the world doing high-impact science. Abstracts are due by **15 Apr 2021**. We encourage you make this meeting a priority! Remote attendance is the default option for now. In-person attendance is not yet certain.

A sampling of the microsymbosia and keynote lectures relevant to magnetic structures are listed below. The program, which includes over 100 half-day microsymbosia and 36 keynote lectures, will also offer extensive coverage of related topics such as total scattering, frustration and disorder, modulated structures, quasicrystals, mineral structures, theoretical crystallography, quantum crystallography, topological materials, electronic and quantum materials, functional materials, energy materials, high-pressure crystallography, powder diffraction, x-ray and neutron diffraction, electron diffraction, 3D/4D electron crystallography, cryo-EM, XFEL sources, and many others. See the full program for details.

Sincerely,

The IUCr Commission on Magnetic Structures: <http://magcryst.org>

(Mois I. Aroyo, Maxim Avdeev, Branton J. Campbell, Javier Campo, M. Teresa Fernandez-Diaz, Ovidu Garlea, Margarida Henriques, Danny Litvin, J. Manuel Perez-Mato, Alexander Pirogov, Juan Rodriguez-Carvajal, Taku J. Sato, Wiesława Sikora, Andrew Wills, Oksana Zaharko)

***** Sample of related Microsymbosia (list continues on next page)

Methods and software developments for magnetic-structure analysis (MS-22, Mon 16 AM)

Chairs: Andrew Wills, J. Manuel Perez-Mato

Invited speakers: Václav Petříček, Juan Rodriguez-Carvajal

Magnetic structures of novel and functional materials (MS-30, Mon 16 PM)

Chairs: Virginie Simonet, Václav Petříček

Invited speakers: Wei Tian, Jonathan White

Topological magnetic order and quasiparticles (MS-87, Fri 20 PM)

Chairs: Avadh Behari Saxena, Katherine Pappas

Invited speakers: Christian Pfleiderer, Maxim Mostovoy

Magnetic structures at extreme conditions and in extreme samples (MS-61, Thu 19 AM)

Chairs: Angel Arevalo-Lopez, Andrzej Katrusiak

Invited speakers: Elena Solana-Madruga, Dawid Pinkowicz

Symmetry aspects of magnetic order and magnetic properties (MS-68, Thu 19 PM)

Chairs: Margarida Henriques, Mois I. Aroyo

Invited speakers: Laura Chaix

Frustrated magnetic order and emerging science (MS-45, Wed 18 AM)

Chairs: Romain Sibille, Geetha Balakrishnan

Invited speakers: Ketty Beauvois, Nicolas Gauthier

Molecular magnets and metal-organic frameworks including quantum crystallography approaches
(MS-51, Wed 18 PM)

Chairs: Veronica Paredes, Jozef Kozisek

Invited speakers: Guillermo Minguez Espallargas, Ivan Nemeč

Structural, electronic and magnetic ordering: from fundamental physics to functionality
(MS-38, Tue 17 AM)

Chairs: Ovidiu Garlea, Javier Sanchez Benites

Invited speakers: Steve Nagler

Phase transitions in complex materials: structure and magnetism (MS-101, Sat 21 PM)

Chairs: Yuichi Shimakawa, Alexandra Gibbs

Invited speakers: Patrick Woodward, Midori Amano Patino

New applications of coherent scattering (MS-40, Tue 17 AM)

Chairs: Ian Robinson, Christian Gutt

Invited speakers: Johanned Ihli, Foivos Perakis

Total scattering (MS-37, Tue 17 AM)

Chairs: Pierre Bordet, Emil Bozin

Invited speakers: Stephan Rosenkranz, Bo Iversen

Perovskites (MS-14, 15 Sun PM)

Chairs: Chris Ling, Philip Lightfoot

Invited speakers: James Rondinelli, Joke Hadermann

***** Sample of related Keynote lectures

The science of symmetry breaking (KN-35, Sat 21 AM)

Keynote speaker: Stokes Harold

Quantum crystallography and spintronic materials (KN-15, Tue 17 AM)

Keynote speaker: Macchi Piero

Dithiadiazolyl radicals as building blocks for molecular magnetic materials (KN-12, Mon 16 PM)

Keynote speaker: Delia Haynes