IUCr High-Pressure workshop Wednesday, September 25th

08.00-09.00	**Registration and morning coffee**
	Lecture hall:
09.00-09.20	**Opening Remarks** Giovanna Fragneto & Damian Paliwoda
09.20-10.00	**Plenary Lecture: Sébastien Merkel** Multigrain crystallography: new tools for high pressure discoveries
10.00-10.40	**Plenary Lecture: Karen Appel** High-pressure research at the European XFEL: dynamic processes in Diamond Anvil Cells and Laser-Driven Shocks
10.40-11.00	**Coffee break**
11.00-11.20	**Ronald Miletich** Transition pathways of pressure-induced transformations in structurally complex host-guest framework compounds
11.20-11.40	**Sofija Miloš** Structural Stability of K2Ca2(CO3)3 under high pressure: isosymmetric phase transition involving order-disorder structural states
11.40-12.00	**Weiwei Dong** Assessing structure of Mg2Bi2-xSbx ($0 \leq x \leq 2$) at pressures below 40 GPa
12.00-12.20	**Jaeyong Kim** Structure and Electronic Conductivity Properties of TiZr Alloy under High Pressure
12.20-12.40	**Fei Zhang** Abundant phase transitions in a high-entropy alloy under high pressure and high temperature
12.40-13.40	**Lunch break**
13.40-14.00	**Ekaterina Klyushina** Pressure effects on the magnetic properties of honeycomb quasi two-dimensional antiferromagnet BaNi2V2O8
14.00-14.20	**Pierre Toulemonde** Pressure – temperature phase diagram of La La3Ni2O7 nickelate
14.20-14.40	**Umbertoluca Ranieri** High-pressure investigation of the rubidium–nitrogen and cesium–nitrogen systems by single-crystal X-ray diffraction
14.40-15.00	**Magnus Colliander** Pressure-induced polymorphism in CoCrFeMnNi high-entropy alloy at cryogenic temperatures
15.00-15.20	**Artur Haozhe Liu** Engineering negative linear compressibility and complicated behaviors in various type systems under high pressure conditions
15.20-15.40	**Coffee break**
15.40-16.00	**Kinga Potempa** Unconventional binding mode of nitrite ligand opening up the possibility of pressure-driven linkage isomerism in piezochromic single-crystals of nickel(II) complex
16.00-16.20	**Ewa Patyk Kaźmierczak** Negative linear compressibility in cocrystal of 1,2-bis(4-pyridyl)ethane and fumaric acid
16.20-16.40	**Hanna Boström** High-pressure behaviour of Prussian blue analogues
16.40-17.00	**Katarzyna Jarzembska** High-pressure single-crystal X-ray diffraction studies of a series of rhodium(I) complexes exhibiting metallophilic interactions in the solid state
17.00-19.00	**Poster Session 1 + Skåne Tapas**

IUCr High-Pressure workshop Thursday, September 26th

	Lecture hall:
09.00-09.40	**Plenary Lecture: Karen Friese** High-pressure crystallography: the complementarity of X-rays and neutrons
09.40-10.20	**Plenary Lecture: Bianca Haberl** Insight into the Phase Behavior of Group IVa Elements through High Pressure Neutron Scattering
10.20-10.40	**Coffee break**
10.40-11.00	**Sven Lidin** Quesitions for Neutrons - A personal bucket list
11.00.11.20	**John Loveday** Structural studies of non-crystalline systems at high pressure with neutrons
11.20-11.40	**Yan Wu** High pressure neutron study on magnetic phases in a Y-type hexaferrite
11.40-12.00	**Kuo Li** Crystal structures of aromatics under high pressure investigated by *in situ* neutron diffraction
12.00-12.20	**Damian Paliwoda** High pressure research possibilities at ESS: current status and perspectives
12.40-13.40	**Lunch break**
13.40-14.00	**Malcolm Guthrie** Rietveld refinement in the megabar regime
14.00-14.20	**Javier Campo** Revisiting the magnetic structure of Holmium at high pressure by using neutron diffraction
14.20-14.40	**Yusheng Zhao** Developing neutron techniques at extreme conditions: the High-Pressure Neutron Diffractometer (HPND) at China Spallation Neutron Source (CSNS)
14.40-15.00	**Denis Vasiukov** Symmetry protected 1D chains in mixed -valence iron oxides
15.00-15.20	**Hend Shahed** Hydrostatic pressure investigation on spin crossover compound
15.20-15.40	**Coffee Break**
15.40-16.00	**Alexander Talyzin** Pressure induced swelling of materials composed by 2D layers: from graphite oxide to MXene
16.00-16.20	**Florence Porcher** DREAM: A neutron diffractometer for crystallography at ESS
16.20-16.40	**Stefan Klotz** Phase transitions in ReO3 under pressure: New insights from powder X-ray and neutron diffraction
16.40-17.00	**Anjana Joseph** Pressure-induced electronic topological transitions in dual topological insulator BiTe
17.00-17.20	**Julien Haines** Strong volume increases and symmetrization due to hydrogen insertion in siliceous zeolites at high pressure
17.20-18.30	Women in High Pressure Special Session (chair: **Bianca Haberl**)
18.30-19.15	Poster session 2 + safety induction for ESS tour on Friday
19.15	**Conference dinner**

IUCr High-Pressure workshop Friday, September 27th

	Lecture hall:
09.00-12.00	Visits to ESS (European Spallation Source, Group 1) or MAX IV Synchrotron (Group 2)
12.00-12.40	**Plenary Lecture: Timothy Strobel** Three-dimensional zeolite-type carbon frameworks stabilized by boron
12.40.13.40	**Lunch**
13.40-14.00	**Vladimir Solozhenko** Phase diagram of zinc oxide at pressures to 10 GPa
14.00-14.20	**Alexandre Courac** *In Situ* High -Pressure Synthesis of Light -Element Materials under Industrial P -T Range
14.20-14.40	**Anna Pakhomova** X-ray diffraction, fluorescence and imaging beamline ID27 of the ESRF
14.40-15.00	**Michael Hanfland** The ESRF high pressure diffraction beamline ID15B after the EBS upgrade
15.00-15.20	**Coffee Break**
15.20-15.40	**Ilya Kupenko** Exploring New Opportunities of the Nuclear Resonance Beamline of ESRF with Submicron Spatial Resolution
15.40-16.00	**Nenad Velisavljevic** Overview of High-Pressure Collaborative Access Team (HPCAT) facility at the Advanced Photon Source at Argonne National Laboratory
16.00-16.20	**Boby Joseph** Pressure-induced structural modifications in Remeika phase quasi skutterudite stannides
16.20-16.40	**Cheng Ji** Probing crystal structure of compressed hydrogen above 200 GPa by synchrotron nano-probe technique
16.40-17.00	**Florian Trybel** From exploring to mapping to controlling: Taking control of light element chemistry at high pressure
17.00-17.20	**Max Wilke** Local structure in glasses and melts at extreme pressure
17.20-17.40	**Marcell Wolf** Pressure effect on protein cluster formation induced by multivalent ions
17.40-18.00	**Kamil Dziubek** How to FAIRify data in high pressure research

IUCr High-Pressure workshop Saturday, September 28th

	Lecture hall:
09.00-10.00	**Stefan Klotz** High pressure neutron scattering from kbar to Mbar - An introduction to experimental methods
10.00-11.00	**Bianca Haberl** High pressure neutron experimentation in small portable pressure cells
11.00-11.30	**Coffee Break**
11.30.12.00	**Malcolm Guthrie** Following the data pipeline from detector counts to crystal structure
12.00-12.30	**Kamil Dziubek** Now or Never! The need for sustainable data standards in high pressure X-ray diffraction
12.30-13.30	**Lunch break**
13.30-14.30	**Malcolm Guthrie** Time-of-flight neutron crystallography for beginners
14.30-15.30	**Malcolm Guthrie & Celine Durniak** Hand's on Mantid tutorial *Please bring your laptops
15.30-15.45	**Coffee Break**
15.45-16.30	**Kamil Dziubek & Damian Paliwoda** From raw data to complete CIF file: crafting publication-ready high-pressure XRD datasets *(Hand's tutorial)
16.30-17.00	Discussion and closing remarks *Please bring your laptops