

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 $K_2Ca_2(CO_3)_3$ under high pressure: isosymmetric phase transition involving order-disorders tructural states
11.40-12.00	Weiwei Dong Assessing structure of $Mg_3Bi_{2-x}Sb_x$ ($0 \leq x \leq 2$) at pressures below 40 GPa
12.00-12.20	Jaeyong Kim Structure and Electronic Conductivity Properties of TiZr Alloy under High Pressur
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 $BaNi_2V_2O_8$
14.00-14.20	Pierre Toulemonde Pressure – temperature phase diagram of $La_3Ni_2O_7$ 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 Jarzemska 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

	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 Questions 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
12.40-13.40	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 ReO_3 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
17.20-17.40	Andrzej Katrusiak Pressure-induced transformations in metallocenes
17.40-19.00	Poster Session 2 + Women in High Pressure Special Session (chairwoman: Bianca Haberl)
19.00	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 synchr o tron 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

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