Thursday, November 25 - Virtual	
7:50 - 8:00	**Lukáš, P.:** Opening Ceremony
8:00 - 8:55 Plenary lecture	**Paradowska, A**.: Industrial applications of neutron diffraction
9:00 - 9:20	**Yescas, M.**: Neutron diffraction residual stress measurements of a nuclear power plant valve with hardfacing material
9:20 - 9:40	**Tomota, Y.**: Neutron Bragg-edge transmission imaging for FSSW-joined Mg alloy plates
9:40 - 10:00	**Marais, D.**: Residual stress in a thick Al 7050 T7451 plate
10:00 - 10:20	**Tsumura, Y.**: Investigation of residual stress and mechanical properties of steelwork after laser cleaning
10:20 - 10:40	**Glaser, D.:** The use of Bragg edge neutron transmission for evaluation of strains produced by laser shock peening for low pressure steam turbine blade applications
10:40 - 11:00	**Naeem, M.**: Temperature-dependent hardening contributions in CrFeCoNi high-entropy alloy
11:00 - 11:20	**Gong, W**.: In-situ neutron diffraction study of deformation behavior of AZ31 alloy at 21K
11:20 - 11:40	**Mao, W.Q.**: Strain hardening behavior of metastable austenitic steel with TRIP effect: Insights from stress and strain partitioning
11:40 - 12:00	**Hayashi, Y.**: Type III stress measurement using scanning 3DXRD
12:00 - 12:20	**Kot, P.**: Direct diffraction measurement of critical resolved shear stresses and grain stresses in magnesium alloy
Lunch Break	
14:00 - 14:20	**Yang, D.**: Annealing of focused ion beam damage in gold microcrystals: an in situ Bragg coherent X-ray diffraction imaging study
14:20 - 14:40	**Tapar, O.B.:** In-situ monitoring of microstructure evolution and stress generation during low pressure carburizing and quenching
14:40 - 15:00	**Wronski, S.**: The second order plastic incompatibility stresses in hexagonal polycrystalline materials
15:00 - 15:20	**Epp, J.**: Fast in-situ analysis of temperature and stress fields during grinding of steel by high-energy X-ray diffraction
15:20 - 15:40	**Charni, D.**: In-situ analysis of strain fields during rotary swaging of steel using synchrotron X-ray radiation
15:40 - 16:00	**Buxton, O.G.**: Investigating lattice strains and phase transformation in hydrogen charged Zirconium
16:00 - 16:55 Plenary lecture	**Yu, Z.**: In-situ and ex-situ diffraction studies of material behavior during welding
17:00 - 17:30 Invited lecture	**Balogh, L.**: Irradiation defects in Zr alloys: a comparison between transmission electron microscopy and diffraction line profile analysis
17:30 - 18:00 Invited lecture	**Noyan, I.C**.: Investigation of precision, resolution, accuracy and trueness of time-of-flight neutron diffraction strain measurements
18:00 - 18:20	**Marais, D.**: Minimization of texture influences in diffraction assessments of solid samples
18:20 - 18:40	**Klaus, M.**: Reassessment of evaluation methods for the analysis of near-surface residual stress fields using energy-dispersive diffraction
18:40 - 19:00	**Simon, N.**: On the oscillating course of 2Θ-$\sin^2\psi$ plots for plastically deformed, cold rolled duplex stainless steel
19:00 - 19:20	**Otte, A.L.**: Diffraction analysis of phase transformation behavior and stress development in short-term heat treatment of Ti-6246
19:20 - 19:40	**Pulvermacher, S.**: Load partitioning and micro residual stress development of two duplex steels with different phase contents
19:40 - 20:00	**Burca, G.**: Recent developments on the IMAT diffraction project
20:00 - 20:20	**Pirling, T.**: New approaches for in-situ measurements at the SALSA strain scanner

Friday, November 26 - Virtual	
8:00 - 8:55 Plenary lecture	**Harjo, S.**: In situ neutron diffraction for monitoring of internal stresses, deformation & transformation behavior of engineering materials
9:00 - 9:30 Invited lecture	**Polatidis, E.**: Studying the TRIP effect under multiaxial loading using neutron diffraction
9:30 - 9:50	**Woo, W.**: Through-thickness variations of residual stresses in functionally graded steel-stainless steel structures additively manufactured by direct energy deposition
9:50 - 10:10	**Chae, H**.: Tailoring mechanical properties of metallic materials via additive manufacturing followed by heat treatment
10:10 - 10:30	**Kim, Y.S.**: Multiple deformation scheme in direct energy deposited CoCrNi medium entropy alloy at 210K
10:30 - 10:50	**Ostergaard, H.E.** : Microstructure and residual stress interactions in metal additive manufacturing: post-build assessment and new in-situ methods
10:50 - 11:10	**Evans, A.**: Residual stresses in additive manufacturing determined by diffraction techniques
11:10 - 11:30	**Serrano-Munoz, I.**: Influence of the scanning strategy on the RS state of a LPBF IN718 material
11:30 - 11:50	**Moztarzadeh, H.**: Residual stress in plasma transferred arc (PTA) cladding for hybrid additive manufacturing (AM)
11:50 - 12:10	**Yong, C.K.**: Synchrotron XRD Evaluation of Residual Stress Distribution for Additive Manufactured Inconel 718 for High Temperature Applications
12:10 - 12:30	**Abreu Faria, G.:** P61A, a new white beam beamline optimized for residual stress analysis
Lunch Break	
14:00 - 14:55 Plenary lecture	**Wang, X.-L.**: Low-temperature deformation in high-entropy alloys
15:00 - 15:30 Invited lecture	**Samothrakitis, S.**: Microstructural characterization through grain orientation mapping with Laue three-dimensional neutron diffraction tomography
15:30 - 15:50	**Larsen, C.B.**: Grain-resolved strain analysis with Laue three-dimensional neutron diffraction tomography
15:50 - 16:10	**Rouquette, S.**: Validation of plane stress assumption on SS316L specimen with one layer
16:10 - 16:30	**Silveira, A.C. de F.**: Microstructure and stress development during laser metal deposition analyzed by synchrotron X-ray diffraction
16:30 - 16:50	**Degener, S.**: Material science with a new high energy white beam station – Prospects and challenges
16:50 - 17:10	**Landesberger, M.**: High accuracy neutron diffraction measurement and positioning with an industrial robot system at the STRESS-SPEC instrument
17:10 - 17:30	**Genzel, Ch.**: A concept for residual stress gradient analysis in cubic materials with mosaic structure
17:30 - 17:50	**Ramadhan, R.S.**: Quantitative analysis and benchmarking of positional accuracies of neutron strain scanners
17:50 - 18:10	Apel, D.: The potential of high-flux liquid anode X-ray sources for microstructure and stress analysis
18:10 - 18:30	**Cui W.**: Ferritic benchmark specimens for cross-comparison of diffraction and destructive residual stress measurement techniques
18:30 - 18:50	**Wimpory, R.C**.: Strain Scanning on E3 at BERII at the HZB, a retrospective
18:50 - 19:10	**Venter, A.M**.: Residual stress in sintered WC-VC-Co disks
19:10 - 19:30	**Lavanya, S**.: Effect of tensile strain on martensite formation and its influence on residual stress distribution in type 304 austenitic stainless steel
19:30 - 19:50	**Nielsen, M.-A**.: Residual stresses in additively manufactured aluminum alloys and 316l-steel
19:50 - 20:10	Brown, D.: In-situ heat treatment of additively manufactured Ti-6Al-4V
20:10 - 20:40 Invited lecture	**Brügger, A.:** Protecting Suspension Bridges against Fire with Neutron Diffraction

Saturday, November 27 - On-site & Online broadcasting	
8:30 - 9:25 Plenary lecture	**Borbély, A.**: Microstrain distribution in crystals
9:30 - 10:00 Invited lecture	**Thiry, M.**: When industry meets large facilities
10:00 - 10:30 Invited lecture	**Marciszko-Wiąckowska, M.**: In-depth evolution of residual stresses and effect of free surface on stress relaxation determined using X-ray diffraction Laplace methods
10:30 - 10:50	***Coffee break***
10:50 - 11:10	**Sobotková, N**. Delivery of neutron optics system for the BEER diffractometer in ESS
11:10 - 11:30	**Donath, T.**: EIGER2 CdTe detectors for hard X-ray research
11:30 - 11:50	**Šittner, P.**: Oriented internal stress in plastically deformed NiTi shape memory alloys
11:50 - 12:10	**Henningsson, A.**: A framework for equilibrium constrained strain estimation and tomography
12:10 - 12:30	**Wierzbanowski K**.: Modification of mechanical properties and microstructure of titanium grade 2 processed by hydrostatic extrusion
12:40 - 13:00	**Ozcan, B**.: In-situ neutron strain imaging during direct metal deposition of Ni-based Inconel 718 alloy
Lunch Break	
14:00 - 14:30 Invited lecture	**Beran, P.**: The material engineering diffractometer BEER at ESS
14:30 - 15:00 Invited lecture	**Farkas, G.**: Line profile analysis and rocking curve evaluation in individual grains of β-Ti polycrystal
15:00 - 15:20	**Canelo-Yubero, D.**: Residual stresses in Al-Cu clad composites processed by rotary swaging
15:20 - 15:40	**Čapek, J.**: Optimisation of post-built annealing of Ni Alloy718 processed by powder bed fusion
15:40 - 16:00	**Németh, G.**: Residual stresses in Titanium prepared by CONFORM ECAP
16:00 - 16:20	***Coffee break***
16:20 - 16:40	**Heller, L.**: Prediction of martensite textures in NiTi wires
16:40 - 17:00	**Bian, X.**: In-situ synchrotron x-ray diffraction texture analysis of tensile deformation of nanocrystalline NiTi wire in martensite state
17:00 - 17:20	**Kehres, J.**: Utilization of laboratory energy dispersive X-ray diffraction for stress determination in polymers as a supplement to synchrotron experiments
17:20 - 17:40	**James, A.:** Tomography driven diffraction capabilities of the new DIAD beamline

Posters
Drozdenko, M.: Configuration of deformation rig developed for beamline at European Spallation Source
Olsen, U.L.: Depth resolving stress in amorphous polymers
Leemreize, H.: Multiscale residual stress analysis using x-ray and neutron dark-field microscopy
Leemreize, H.: Harmonisation and standardization of industrial residual stress measurement using neutrons and synchrotron x-rays
Nguyen T.D.: Microscopic stress-strain evaluation of age-hardened AA7075 during repeated stress relaxation at elevated temperature
Baczmański, A.: New analysis method of multireflection grazing incidence X-ray diffraction
Oponowicz, A.: Saccharine effect on the microstructure and stress state in nickel electrodeposited on copper substrate
Setoyama, D.: Diffraction measurement condition suitable for stress analysis of Polyphenylenesulfide component
Setoyama, D.: Non-destructive analysis of lead-free solder degradation in power electronic module by neutron diffraction
Kendall, O.: Influence of heat treatment on the residual stress in laser clad hypereutectoid rail components using neutron diffraction
Chae, H.: The effect of carbon content on deformation mechanisms of high Mn steels at elevated temperature
Su, Y.H.: Strain and microstructure distributions around a fatigue crack tip studied by neutron diffraction