JCNS Workshop 2018 - Program draft 27082018

	Mo. 29. Oct. 2018	Tu. 30. Oct. 2018	We. 31. Oct. 2018	Th. 1. Nov. 2018
09:00		**A. Moreno** - Synthesis routes and crowding effects on single-chain nanoparticles: Combining simulations and	**J. Carvajal** - Neutron Diffraction Data Treatment using CrysFML and the FullProf Suite	**K. Lefmann** - Designing neutron instruments using ray-tracing simulations
09:30		**A. Hörmann** - Surfactant adsorption in ordered mesoporous silica studied by SAND: challenges and	**A. Sazonov** - Davinci: A Software for the Visualization and Processing of Single-Crystal Diffraction Data	**M. Appel** - Ray tracing simulations and optimisation of variable guide focusing for the BATS option on IN16B
09:50		**J. Wuttke** - Reengineering a data reduction software for better user experience and easier maintenance	**T. Schrader** - NSXTool - a new Software for Data Reduction at Monochromatic Single Crystal	**D. Noferini** - Upgrades at the high-resolution backscattering spectrometer SPHERES
10:10	Registration	Coffee break	Coffee break	Coffee break
10:50		**C. Likos** - Polymer fow and polymer topology: Linear chains, rings and knots flow differently	**N. Qureshi** - Analyzing spherical neutron polarimetry and flipping ratio data with Mag2Pol	**J. Voigt** - Compact neutron sources: No place for 'Swiss Army Knifes'
11:20		**M. Gradzielski** - Polyelectrolyte-Surfactant Complexes (PESCs) Studied by SANS – Varying Complex Structural	**H. Thoma** - "SNP FileScanner": Tool for time dependent polarization corrections of polarized diffraction data	**M. Bertelsen** - The McStas Union components for multiple scattering in complex geometries
11:40		**M. Berlinghof** - Study of the Crystallization of Organic Photovoltaics (DRCN5T: PC71BM) During Post-	**M. Meven** - Single Crystal High Pressure Cell Experiments on HEiDi – Components and Algorithms	**S. Pasini** - J-NSE Phoenix: the new high-resolution neutron spin-echo spectrometer at MLZ
12:00	Lunch	Lunch	Lunch	Lunch
13:00	**A. Michels** - Micromagnetic simulations for understanding magnetic SANS	**G. Pospelov, W. van Herck** - Experiment planning, simulation and fitting for GISAS and reflectometry	**J. Pedersen** - Using simulations in the analysis of small-angle scattering data from soft matter systems	End of Workshop
13:30	**T. Perring** - Proper analysis of coherent excitations – the PACE project at ISIS		**S. Jaksch** - Simulation assisted planning of a small-angle neutron scattering beamline at the example of mcstas	
14:00	**S. Ward** - Generalised spin-wave simulations by SpinW and developments for the European Spallation	**A. McCluskey** - Comparing coarse grained simulation-derived and traditional analysis methods for monolayer	**V. Prabhu** - Measurement and modeling of equilibrium clustering and micellization in telechelic polymers with	
14:20	**P. Erhart** - DYNASOR - A tool for extracting dynamical structure factors and current correlation functions	**N. Zec** - Layers forming at the interface of the electrode and deep eutectic solvent based electrolyte. Neutron	**H. Frielinghaus** - Strategies for removing multiple scattering effects	
14:40	Coffee break	Coffee break	Coffee break	
15:20	**W. Briels** - Simulation of polymer gel rheology	**M. Böhm** - Neutron Experiments with Virtual Access	Exkursion	
15:50	**G. Kneller** - Modeling neutron scattering spectra	**A. Tennant** - t.b.a.		
16:20	**A. Glavic** - Making Open Source Software Open	**P. Erhart** - hiPhive – A flexible, open source, Python library for efficient extraction of anharmonic force		
16:40	**W. Munoz** - Icet, a Pythonic way to decode multicomponent alloys based on machine learning	**A. Koutsioumpas** - Computational approaches for membrane protein structure recovery from small-angle		
17:00	Poster session	Poster session		
	W. Munoz - icet – A software package for simulating ordering and segregation in multi-component systems A. Glavic - QuickNXS – Time of Flight Neutron Reflectometry Data Reduction Made Easy P. Erhart - DYNASOR - A tool for extracting dynamical structure factors and current correlation functions from mo A. Koutsioumpas - Combining coarse-grained molecular dynamics and neutron reflectivity for the characterizatio R. Erhan - Development of neutron instrumentation at NcNeutron - Norwegian Center for Neutron Research V. Pipich - SANS data reduction software QtiKWS: current status K. Grammer - MCNPX code extensions for neutron scattering instrument background calculations			
18.30	Dinner	Dinner	Dinner	