



# 50 years of D11

## Monday, 26 September 2022

**Talks: Chair: Jacques Jestin - ILL4/rdc-1 - Amphi Chadwick (08:45 - 10:15)**

time	[id] title	presenter
08:45	[50] Science Director's Welcome	JESTIN, Jacques
09:00	[10] The 1980s and the first D11 modernisation program	TIMMINS, Peter
09:25	[15] D11, the stimulus for early biology at ILL	ZACCAI, Joseph
09:50	[51] Using X-ray and neutron scattering to analyze nanoparticles for drug and RNA delivery	HAAS, Heinrich

**Talks: Chair: Peter Timmins - ILL4/rdc-1 - Amphi Chadwick (10:50 - 12:30)**

time	[id] title	presenter
10:50	[52] Polarised neutron scattering from dynamic polarised nuclei.	STUHRMANN, Heinrich
11:15	[22] Small angle scattering: scaling cross-sections and widening the q-window to answer scientific questions	ZEMB, Thomas
11:40	[2] How SANS reveals the nanostructure and moisture interactions of wood cell walls	PENTTILÄ, Paavo
12:05	[30] SANS Crystallography	FORGAN, Edward M

**Talks: Chair: François Boué - ILL4/rdc-1 - Amphi Chadwick (14:00 - 15:40)**

time	[id] title	presenter
14:00	[13] Hard problems in soft matter - a not quite random walk through 30 years of soft matter research with neutrons (remote)	SCHURTENBERGER, Peter
14:25	[6] Exploring the influence of nanoparticles on the polymer chain conformation: from solution to nanocomposites	JOUAULT, Nicolas
14:50	[8] Understanding dipeptide-based hydrogels	ADAMS, Dave
15:15	[65] Conference photo	

**Talks: Chair: Charles Dewhurst - ILL4/rdc-1 - Amphi Chadwick (16:20 - 18:00)**

time	[id] title	presenter
16:20	[53] Ever higher magnetic fields, ever larger magnetic structures (remote)	BLACKBURN, Elizabeth
16:45	[14] Multiscale micro-architecture of pore space in rocks: size, shape, deformation and accessibility (remote)	RADLINSKI, Andrzej
17:10	[26] D11: a fantastic instrument for conservation, restoration and the study of ancient technologies in Cultural Heritage	MONDELLI, Claudia
17:35	[18] Fighting Gravity on D11	CUBITT, Robert

## Tuesday, 27 September 2022

### Talks: Chair: Giovanna Fragneto - ILL4/rdc-1 - Amphi Chadwick (08:45 - 10:15)

time	[id] title	presenter
09:00	[54] D11 & Small Angle Neutron Scattering – A Paradigm of ILL (remote)	WHITE, John W.
09:25	[29] Kinetics Pathways of Block Copolymer Self-assembly in Solution: transitions, logarithmical relaxations, molecular exchange and effect of crystallinity	LUND, Reidar
09:50	[7] Electrostatic Self-Assembly in Solution: Structure, Function and Switching	GRÖHN, Franziska

### Talks: Chair: Stefan Förster - ILL4/rdc-1 - Amphi Chadwick (10:50 - 12:30)

time	[id] title	presenter
10:50	[12] Dendrimers and Small-angle Neutron Scattering: History and Perspectives	BALLAUFF, Matthias
11:15	[42] Evolution of a HP-SANS cell and its upgrade with a periodic pressure jump unit for soft matter studies	SOTTMANN, Thomas
11:40	[35] Structural evolution of temperature-responsive polysaccharide-block-polypeptide copolymers	SANDRE, Olivier
12:05	[55] Interpreting simultaneous small-angle neutron scattering and reflection from surfactant stabilised air-water foams	GRIFFITHS, Peter Charles

### Talks: Chair: Ralf Schweins - ILL4/rdc-1 - Amphi Chadwick (14:00 - 15:40)

time	[id] title	presenter
14:00	[56] Small-angle scattering from proteins: Crowding conditions and phase transformations (remote)	SCHREIBER, Frank
14:25	[57] D11 and the microgel's softness, a long standing story with a bright future	SCOTTI, ANDREA
14:50	[9] Self-Assembly in Deep Eutectic Solvents	EDLER, Karen
15:15	[5] Micelle structure and composition: the contribution from SANS (remote)	PENFOLD, Jeff

# Wednesday, 28 September 2022

## **Talks: Chair: Bruno Demé - ILL4/rdc-1 - Amphi Chadwick (09:00 - 10:15)**

time	[id] title	presenter
09:00	[58] The use of SANS in optimising pharmaceutical formulation	LAWRENCE, Jayne
09:25	[59] Isotropic and anisotropic SANS from polymer systems	BOUÉ, François
09:50	[60] Visualisation of morphological changes in Soft Matter Systems via SANS contrast variation at the D11	HUBER, Klaus

## **Talks: Chair: Matthias Ballauff - ILL4/rdc-1 - Amphi Chadwick (10:50 - 12:30)**

time	[id] title	presenter
10:50	[20] Soft Quasicrystals - a D11 discovery	FÖRSTER, Stephan
11:15	[11] Contribution of SANS and particularly of D11 on the understanding of thermoreversible gelation	GUENET, Jean-Michel
11:40	[61] SANS studies of polymer structure in nanocomposites	OBERDISSE, Julian
12:05	[62] Small Angle neutron Scattering and Polymer science (remote)	HIGGINS, Julia S.