Program (final) NSSM-2023

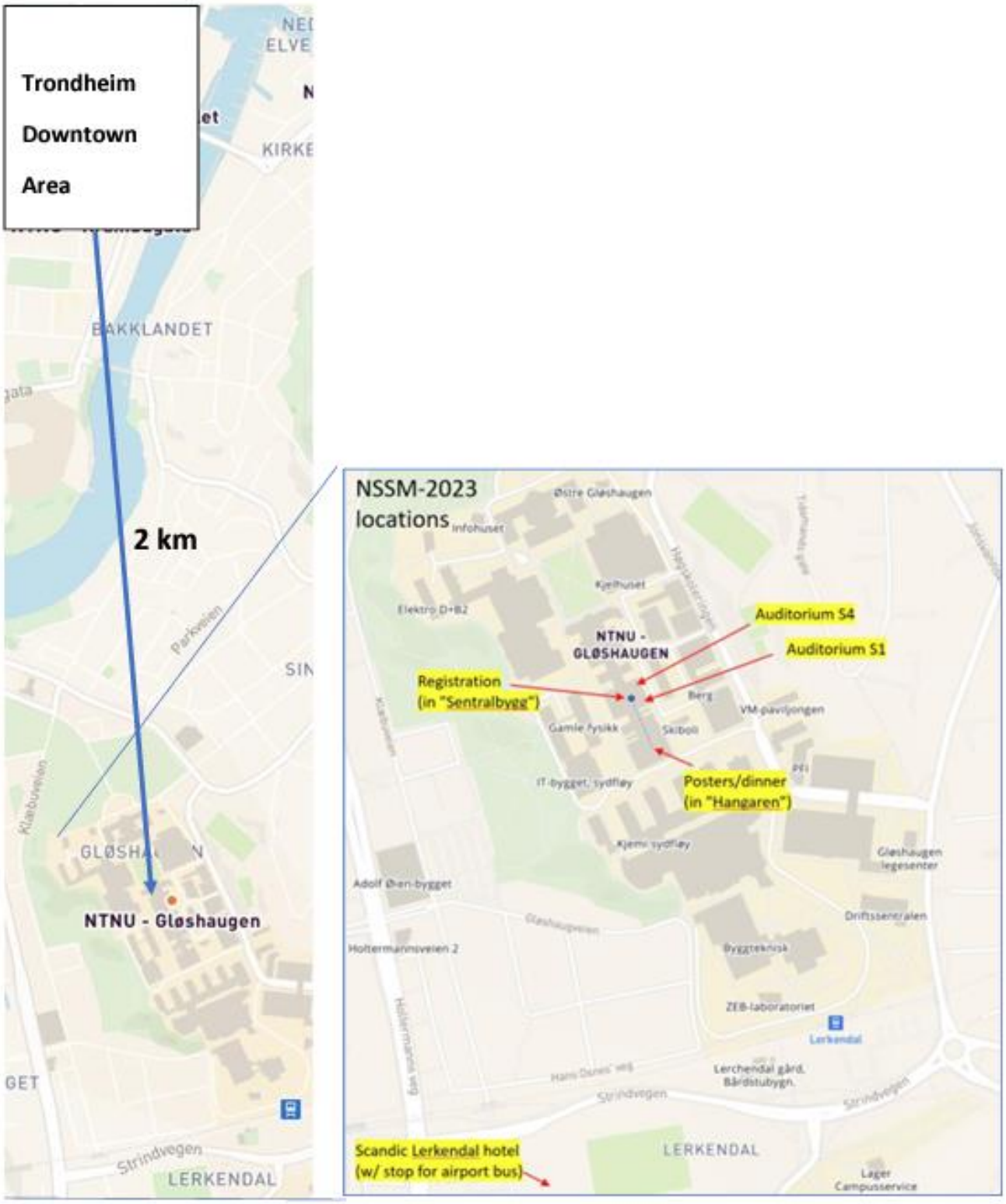
Day 1 (January 17, 2023) in Auditorium S4 (Auditorium available for the workshop 1200-1800)			
12:00-13:00	Registration (Lunch from 12:30)		
13:00-13:10	Opening words (*Jon Otto Fossum*)		
Session 1	*Chair: Matti Knaapila*		
13:10-13:30	O1	SAXS at 4th generation synchrotrons and the new capabilities at the CoSAXS beamline in MAXIV Laboratory	Tomas Plivelic
13:30-13:50	O2	In-situ loading and multi-scale deformation measurements of nanostructures and materials	Pablo Mota-Santiago
13:50-14:10	O3	SAXS on magnetotactic bacteria and isolated magnetosomes in an external magnetic field	Christian Gollwitzer
14:10-14:30	O4	Nematic suspensions of clay nanosheets: Structural coloration and USAXS	Paulo Henrique Michels Brito
14:30-14:50	Break (20 min) w/ coffee		
Session 2	*Chair: Kenneth D. Knudsen*		
14:50-15:10	O5	Time-of-flight spin-echo SANS at ISIS	Gregory Smith
15:10-15:30	O6	ESS Soft Matter Instrumentation	Andrew Jackson
15:30-15:50	O7	Probing soft matter with neutrons: from butterfly wings to Limoncello to polymer actuators	Leonardo Chiappisi
15:50-16:10	O8	Ion selectivity at the origin of block copolyelectrolyte micelles	Ralf Schweins
16:10-16:20	Break (10 min)		
Session 3	*Chair: Reidar Lund*		
16:20-16:35	O9	Xeuss -the next generation laboratory beamline for soft matter	Szymon Stolarek
16:35-16:50	O10	Processes under the magnifying glass: In situ and operando SWAXSS studies in the laboratory	Heiner Santner
16:50-17:05	O11	High brightness MetalJet Xray source for advanced SAXS/WAXS applications	Julius Hållstedt
17:05-17:10	O12	LINXS and new opportunities for X-ray and neutron researchers	Marie Skepö
17:30-19:00	Poster session and exhibition		
19:00-	Dinner		
Day 2 (January 18, 2023) in Auditorium S1 (Auditorium available for the workshop 0800-1400)			
Session 4	*Chair: Justas Barauskas*		
09:00-09:20	O13	SasView - A "Swiss Army Knife" for Small Angle Scattering Data Analysis	Wojciech Potrzebowski
09:20-09:40	O14	Soft matter antibiotics: gram-negative bacteria-selective nanoparticle assemblies	Thomas Vogelaar
09:40-10:00	O15	The role of histidines in antimicrobial peptides	Amanda E. Skog
10:00-10:20	O16	From vesicles to nano-ruffles	Victoria A. Bjørnestad
10:20-10:40	Break (20 min) w/ coffee		
Session 5	*Chair: Ville Liljestrøm*		
10:40-11:00	O17	Studying micro-mechanics of semi-crystalline polymer by means of XRD	Luigi Balzano
11:00-11:20	O18	Moisture induced swelling of nanocellulose based materials	Agnes Åhl
11:20-11:40	O19	Aggregation Behaviour of Pramlintide - A Scattering Approach	Ellen Brunzell
11:40-12:00	O20	Investigation of Structure-Function Relationships in the Tear Film Lipid Layer	Ryan Trevorah
12:00-12:10	Break (10 min)		
Session 6	*Chair: Arne Skjeltorp*		
12:10-12:30	O21	CO2 intercalation in clay minerals	Konstanse Seljelid
12:30-12:50	O22	Forming cellulose mesocrystals with external magnetic fields	Germán S. Alvarez
12:50-13:10	O23	DLS-SANS simultaneous setup	Barbara Ruzicka
13:10-13:20	Closing including proposal for next year's workshop		
13:20-13:50	Lunch		

Posters in the cafeteria nearby Auditoriums S1/S4

P1	LINXS and new opportunities for X-ray and neutron researchers	Marie Skepö
P2	On the Stability of Nanopeptides: Structure and Molecular Exchange of Self-assembled Peptide Fibers	Szymon Mikolaj Szostak
P3	Disruption of Lipid Rafts by Antimicrobial Peptides	Vladimir Koynarev
P4	The ESS Deuteration and Macromolecular Crystallisation support platform	Zoe Fisher
P5	The Institut Laue Langevin: neutrons and more for world-class research in soft matter	Mark Johnson
P6	The soft matter and chemistry support facilities at the Institut Laue-Langevin	Leonardo Chiappisi
P7	SAXS studies of drug self-assemblies in polyelectrolyte gels	Per Hansson
P8	Locomotion of bacteria through soft matter	Andrew Akanno
P9	Investigating swelling behavior of Sodium Fluorohectorite by USAXS and Optical Microscopy	Osvaldo Trigueiro Neto
P10	CO2 intercalation in clay minerals: X-ray diffraction observations	Sunniva Omdal
P11	Development of conductive inks of metallic particles and graphene dispersions for applications in ...	Alexsandro Bobsin
P12	Monitoring Lifetime of Thermoplastic Composites by Combining Analytics and Machine learning	Alexander Sexton
P13	Carbon Nanotubes and Graphene Flakes Grown Synchronously in Confined Space of Layered Silicate	Barbara Pacakova
P14	Spontaneous Wrapping of a Droplet with Clay Nanosheets	Yue Yu
P15	High brightness MetalJet Xray source for advanced SAXS/WAXS applications	Geethanjali Gopakumar
P16	Development of a “Newton shutter” prototype for the FREIA (ESS) and ZOOM (ISIS) Instruments	Tom Arnold
P17	Preliminary SAXS studies of Pickering emulsions with pea proteins	Eleonora Olsmats
P18	SAXS characterization of dendrimers, drug nanocarriers	Oxana Klementieva
P19	Laboratory SAXS for drug development	Søren Skou
P20	Liquid-Liquid Phase Separation mediated by Intrinsically Disordered Proteins investigated by Small-A...	Henrik V. Sørensen
P21	Gluten versus gluten-free pasta: a structural analysis	Judith Houston
P22	Spontaneous formation of ultra-small unilamellar vesicles in mixtures of an amphiphilic drug and a phospholipid	Magnus Bergström
P23	Detectors from πtec	πtec

Immediately after the poster session, the dinner is in the same place (cafeteria).

Drinks are available during the poster session and the dinner.


Trondheim
Downtown
Area
BAKKLANDET
2 km
NTNU - Gløshaugen
LERKENDAL
Strindvegen
NSSM-2023
locations
Auditorium S4
Auditorium S1
Registration
(in "Sentralbygg")
NTNU -
GLØSHAUGEN
Posters/dinner
(in "Hangaren")
Scandic Lerkendal hotel
(w/ stop for airport bus)
Elektro D+B2
Kjelhuset
Berg
VM-paviljongen
Gamle fysikk
Skiboli
IT-bygget, sydfløy
Kjemi sydfløy
Adolf Øien-bygget
Holtermannsveien 2
Byggteknisk
ZEB-laboratoriet
Lerkendal
Lerchendal gård,
Bårdstubygn.
Gløshaugen
legesenter
Driftssentralen
Lager
Campusservice