Norwegian NanoSymposium 2023 - Preliminary Program, vs2

November 28 – 29, Trondheim, Campus Akrinn

Tuesda	ay November 28
08:45	Registration and Coffee
	Session 1
09:00	Welcome
	John de Mello, NTNU Nano
09:05	Nanoscale imaging with coherent X-rays
	Yuriy Chushkin, ESRF, Grenoble, France
09:50	Flexible transparent electrodes formed via a maskless evaporation process
	Sihai Luo, Dept. of Chemistry, NTNU
10:05	Controlled Domain Dynamics in a Magnetic Metamaterial
	Ida Breivik, Dept. of Electronic Systems, NTNU
10:20	Coffee
	Session 2
10:40	Equilibrium thermodynamics and phase transitions: Bridging theory and experiments
10.10	in chemical engineering and atmospheric physics
	Nadia Shardt, Dept of Chemical Engineering, NTNU
11:10	Ice Lens Dynamics in Soil Unveiled by Neutron Tomography
	Fazel Mirzaei, Dept. of Physics, NTNU
11:25	Quantifying light-responsive polymer deformations with micropillars.
	David Urban, Dept. of Electronic Systems, NTNU
11:40	Conductive Atomic Force Microscopy and Scanning Moiré Fringes
	Leonie Richarz, Dept. of Materials Science and Engineering, NTNU
12:00	LUNCH
	Session 3
13:00	Anti-icing materials and nanoscale ice adhesion
	Senbo Xiao, NTNU
13:30	Novel Domain Engineering Concepts enabled by Topological Defects
	Jan Schultheiß, Dept. of Materials Science and Engineering, NTNU
13:45	In situ generated PANI-graphene hybrids
	Maria Psarrou, Dept. of Chemistry
14:00	Liquid Crystal and Meta-Surface Devices for Enhancing Light Manipulation from Visible to THz Regime
	Elena Perivolari, Dept. of Chemistry, NTNU
14:15	Plasmonics effects in the Vacuum Ultra-Violet range using semiconductors?
	Morten Kildemo, Dept. of Physics, NTNU
14:45	Coffee

	Session 4:
15:00	Stepping and turning the electron beam and getting more out of the TEM data
	Randi Holmestad, Dept. of Physics, NTNU
15:30	Coupled transport in lithium-ion battery electrolytes
	Øystein Gullbrekken, Dept. of Materials Science and Engineering, NTNU
15:45	TiO ₂ -poloxamer stabilized emulsions for photocatalysis in wastewater treatment
	Cippora Magagnin, Dept. of Chemical Engineering, NTNU
16:00	I'm a scientist – Why bother with innovation?
	Andreas Norberg, TTO
16:15	The Openflexure microscope and open science: putting hardware in the hands of users who need it
	Joe Knapper, University of Glasgow, Scotland
17:00	Poster Session

19:00 Conference dinner

Wednesday November 29

	Session 5
09:00	Microfluidics for investigating colloids and mimetic systems
	Ali Abou-Hassan, Sorbonne University, France
09:45	Depth Resolved Antiferromagnetic Spin Transition by Resonant X-ray Reflecivity
10.00	Yu Liu, Dept. of Materials Science and Engineering, NTNU
10:00	Nanomedicine and ultrasound for targeted treatment of cancer and brain diseases - from lab to clinic
	Sofie Snipstad, Dept. of Physics, NTNU
10:30	Coffee
	
10:45	Large-scale Periodic Nanostructure via Inexpensive Laser Interference Lithography
	Enkui Lian, Dept. of Chemistry, NTNU
11:30	Characterization of the Quasi-Liquid layer on Gas Hydrates with Molecular Dynamics Simulations
	Yifan Zhang, Dept. of Structural Engineering, NTNU
11:45	Auto slice and view and Tof-SIMS in Plasma FIB
	Hamid Khanmohammadi, Dept. of Mechanical and Industrial Engineering, NTNU
12:00	LUNCH
	Session 6
13:00	Do-it-yourself (DIY) Hardware and Automation in Chemistry and Beyond
	Andrew Harvie, University of Leeds
13:45	Encapsulation of Hydrophilic Magnetic Nanoclusters through Flash Nanoprecipitation
	Nesrine Bali, Dept. of Chemical Engineering, NTNU
14:00	Highly Parallelizable Nearly Rejection-Free Path Sampling with Asynchronous Replica
	Exchange and Infinite Swaps
	Titus van Erp, Dept. of Chemistry, NTNU
14:30	Diffractive order Mueller matrix ellipsometry for the design and manufacture of
	polarization beam splitting metasurfaces Victoria Biolland, Dont of Physics, NTNU
14:45	Victoria Bjelland, Dept. of Physics, NTNU Coffee
14.43	Cojjee
	Session 7
15:00	Spectroscopies of tiny things: Single-molecule sensors and detectors
	Angelos Xomalis, NTNU
15:30	Observation and control of charged twin domain walls in antiferroelectric-like K3[Nb3O6(BO3)2]
	Ivan Ushakov, Dept. of Materials Science and Engineering, NTNU
15:45	X-Ray & Electron Nanoscopy to reveal insights on Fetuin-A additive growth of Calcium Carbonate
16:00	Daniyal Younas, Dept. of Physics, NTNU Closing
	John de Mello, NTNU Nano
	John de Meno, Nitro Nano