

11th National Meeting on Inorganic and Materials Chemistry

Thon Hotel Oslo Airport 27. – 28. February 2024

Program (as of Feb. 9, 2024)

Dear colleagues,

the NKS-FUM meeting is finally here! We are excited to welcome you to Oslo for this year's event.

The meeting event will be held at Thon Hotel Oslo Airport on the 27th and 28th of February, easily accessible from the airport terminals. Attached to the program you can find a screenshot how to get there.

Our invited speakers will give talks for 40 minutes including 10 minutes for questions, while contributed talks will be 20 minutes long including 5 minutes for questions.

The poster session will be held for 1.5 hours, and we're happy to inform you that there will be a prize for the best poster and student presentation. The prizes will be sponsored by matriks AS. There will be beverages during the poster session and the dinner sponsored by NORECS AS.

It's worth noting that the Inorganic and Materials Chemistry group of NKS (Norsk Kjemisk Selskap) will hold its annual general assembly before the poster session on Tuesday. The assembly is open to everyone.

We hope you will all have an excellent time at the meeting.

The Organizing Committee



NORECS

Day 1: Tuesday 27.02.2024

	No.	Talk	Name	Institute	Title
10:00			Truls Norby		Welcome
Session 1Chair: NN					
10:10	1	invited talk	Ingrid Hallsteinsen	NTNU	Domain control by Pulsed Laser Deposition
10:50	2	invited talk	Jelena Popovic-Neuber	UiS	Electrochemical methods for elucidating ion transport in battery materials
11:30	3	talk	Bo Jiang	UiO	Modeling of Local Atomic Structure in Disordered and Nanostructured Materials
11:50	4	talk	Damian Brzozowski	NTNU	Epitaxial growth control of Bi ₂ Te ₃ on perovskite & mica substrates
12:10	Lunch				
Session 2Chair: NN					
13:30	5	invited talk	Poul Norby	DTU	Operando/in situ studies of prototype battery cells with X-ray and neutron diffraction
14:10	6	talk	Didrik R. Småbråten	SINTEF	Surface Chemistry and Kinetics of Positrodes for Proton Conducting Ceramic Steam Electrolysis
14:30	7	talk	Jonina Bjorg Gudmundsdottir	UiO	Oxygen Exchange Kinetics on BaGd _{0.3} La _{0.7} Co2O _{6-d} Air/Steam Electrodes for Proton Ceramic Electrochemical Cells
14:50	Coffee break				
Session 3.Chair: NN					
15:10	8	invited talk	Anja Olafsen Sjøstad	UiO	Pt-Rh nanoparticles to optimized supported catalysts for NH ₃ slip catalysis
15:50	9	talk	Marcus Grand Michaelsen	NTNU	Solid Solution Engineering of Plastic Crystals for Thermal Energy Storage
16:10	10	talk	Caren Regine Zeiger	NTNU	Bi Solubility in Tetragonal Tungsten Bronzes
16:30	NKS meeting and election of board				
17:30	Poster session				
19:00	Dinner				

Day 2: Wednesday 28.02.2024

	No.	Talk	Name	Institute	Title
Session 4. Chair: NN					
9:30	11	invited talk	Andreas Orthaber	Uppsala University	Tailoring reactivity, geometry and electronic structure of polyaromatic hydrocarbons with unsaturated heavier main group motifs
10:10	12	talk	Anders Brennhagen	UiO	Revealing the (de)sodiation mechanisms of Bi-metallates through operando X-ray characterisation
10:30	13	talk	Håkon Andersen	UiO	Kinetic study of novel oxygen carriers for chemical looping for hydrogen production: $\text{Ca}_{0.6}\text{La}_{0.4}\text{Ti}_{0.1}\text{Cr}_x\text{Mn}_{0.9-x}\text{O}_{3-\delta}$ (x = 0, 0.3, 0.45 & 0.9)
10:50	coffee break				
Session 5. Chair: NN					
11:10	14	invited talk	Julia Glaum	NTNU	Piezoelectric materials as active biomedical implants – a “two-body problem”
11:50	15	talk	Manjunath Balagopalan	UiO	Structure property correlation in organic ferroelectrics
12:10	16	talk	Matriks AS / NORECS AS		Novel advanced scientific instrumentation for inorganic and materials chemistry
12:40	lunch				
Session 6. Chair: NN					
14:00	17	invited talk	Helmer Fjellvåg	UiO	In-situ studies of materials; three examples - zeolites/SAPOs - oxide membranes - battery anodes
14:40	18	talk	Wen Xing	SINTEF	Exploring new solid electrolyte support matrix materials for Molten carbonate fuel cell (MCFC)
15:00	Concluding Remarks and Awards for the best poster and student presentation				

*The talks marked in green are eligible for the student presentation award

Connection by public transport from the airport

Connections can be found on: www.ruter.no

Hvor vil du reise?

FraOslo lufthavn

TilGardermoen næringspark

Når vil du reise?

Nå

Avgang

Ankomst

27.02.2024

08:30

Flere valg

Gange

29 min (7,8 km)

27.02.2024

08:30 – 08:399 min

420

08:35 – 08:405 min

450

09:00 – 09:099 min

420

09:05 – 09:105 min

450



