



SFI Metal Production Autumn Meeting November 1st Program

Place: Handelshøyskolen, Klæbuvn. 72, Auditorium A34

10:30	MAIN TOPIC: HIGHLIGHTS FROM THE CENTRE PERIOD Opening remarks by Centre Manager Aud Wærnes
11:00-15:00	SCIENTIFIC HIGHLIGHTS FROM THE RESEARCH DOMAINS
11:00-11:30	RD1 Fundamentals and modelling tools <i>by Kristian Etienne Einarsrud</i>
11:30-12:00	RD2 Primary metal production <i>by Merete Tangstad</i>
12:00-13:00	LUNCH
13:00-13:30	RD3 Recycling and refining <i>by Anne Kvithyld</i>
13:30-14:00	RD4 Emissions and energy recovery <i>by Gabriella Tranell</i>
14:00-14:30	RD5 Materials and society <i>by Daniel Muller and Jafar Safarian</i>
14:30-15:00	BREAK
15:00-16:30	OUTCOMES FROM THE SFI PERIODE (2015-2023) What has changed in the industry? How have the world's challenges and the industry changed focus during the SFI period? What has been the impact of long-term research in the SFI? Presentations from industry partners.
18:30	DINNER at Scandic Nidelven Hotel Participants to SFI meeting and Leiv Kolbeinsen Symposium are invited to a three-course dinner at Scandic Nidelven Hotel. Mingling with aperitif and music before dinner!

Leiv Kolbeinsen Symposium November 2nd

Place: Handelshøyskolen, Klæbuvn. 72, Auditorium A32



A symposium in honor of Professor Leiv Kolbeinsen is organized on day II of the Autumn meeting. There will be talks in various areas related to metal production in metallurgical processes.

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See next page for detailed program

Program

Leiv Kolbeinsen Symposium November 2nd

Topic/presenter	Title	Organization	Start	End
Registration			08:00	08:30
Welcome			08:30	08:45
Session 1: Norwegian metallurgical processes				
Aud Wærnes	<i>A perfect combination of metallurgy and society</i>	SINTEF	08:45	09:10
Halvard Tveit	<i>Renewables in the Global Energy Mix – a Technical and Geopolitical Status autumn 2022</i>	ELKEM/FFF	09:10	09:35
Nancy J. Holt	<i>Meeting the sustainability challenge</i>	HYDRO	09:35	10:00
Torbjørn Halland	<i>Wacker Chemicals Norway way to CO2 neutral Si production in 2030.</i>	Wacker/FFF	10:00	10:25
break			10:25	10:45
Session 2: Raw materials and iron production				
Jacob Steinmo	<i>LKAB Transformation -deep mining, fossil free iron and extraction of critical products from mining waste</i>	LKAB	10:45	11:10
Ye Guozhu	<i>Development of Sustainable Technologies - pilot experiences at MEFOS/Swerim</i>	Mefos/Swerim	11:10	11:35
Stian Seim	<i>Development of the Tyssedal ilmenite smelting process</i>	TiZir/Eramet	11:35	12:00
Lunch			12:00	13:00
Session 3: Sustainability in metallurgy				
Jean-Pierre Birat	<i>Materials are social constructs, but they also have agency</i>	IF Steelman	13:00	13:25
Olaf Brastad	<i>TBD</i>	Bellona	13:25	13:50
Young Lee	<i>Carbon Saturated SiMn and FeMn Alloys in Carbothermic Smelting Reactions</i>	Consultant (ERAMET retired)	13:50	14:15
break			14:15	14:35
Session 4: Fundamentals				
Signe Kjeldsrup	<i>Thermodynamics at small scale</i>	NTNU	14:35	15:00
In-Ho Jung	<i>From Calphad Thermodynamic Database to Virtual Process Simulation</i>	Seoul University	15:00	15:25
Alan Cramb	<i>Reflections</i>	Illinois Institute of Technology	15:25	15:50
Closing event			15:50	16:00