




## WEBINAR SERIES SFI METAL PRODUCTION

Welcome to SFI Metal Production webinar series 2021! Every other week we invite to 45-minute presentations on the topics *Silicon*, *Manganese* and *Aluminium*. You will receive an invitation with link to the webinar in Outlook. If you do not receive calendar invitation, please contact the person responsible for the topic:

Time	Topic	Contact persons
Fridays at 10:00 -10:45		Gabriella Tranell og Merete Tangstad, NTNU <a href="mailto:gabriella.tranell@ntnu.no">gabriella.tranell@ntnu.no</a>
Fridays at 11:00-11:45		Gabriella Tranell og Merete Tangstad, NTNU <a href="mailto:gabriella.tranell@ntnu.no">gabriella.tranell@ntnu.no</a>
Thursdays at 15:00-15:45		Anne Kvithyld, SINTEF <a href="mailto:anne.kvithyld@sintef.no">anne.kvithyld@sintef.no</a>

### Program Spring 2021

Date	Time	Title	Presenter	Main topic
14 Jan	15.00-15.45	<i>Recycling of Al foils</i>	Alicia Vallejo Olivares, NTNU	Aluminium
15 Jan	10.00-10.45	<i>SiO condensation</i>	Andrea Broggi, NTNU	Silicon
15 Jan	11.00-11.45	<i>Mn ore reduction in prerreduction units</i>	Trygve L. Schanche, NTNU	Manganese
28 Jan	15.00-15.45	<i>Avoiding and Valorizing Red Mud</i>	Casper van der Eijk, SINTEF	Aluminium
29 Jan	10.00-10.45	<i>Carbon Materials for Ferroalloy Production</i>	Viktor Myrvågnes, Elkem	Silicon/Manganese
29 Jan	11.00-11.45	<i>An overall furnace model for the silicomanganese process</i>	Vetle Kjær Risinggård, Manuel Sparta, Norce	Manganese
11 Feb	15.00-15:45	<i>Sampling and Characterisation of Al dross</i>	Cathrine K.W. Solem, NTNU	Aluminium

12 Feb	10.00-10.45	<i>Raman spectroscopy of SiO<sub>2</sub>-CaO-Al<sub>2</sub>O<sub>3</sub> slags</i>	Shokouh Haghdani, NTNU	Silicon
12 Feb	11.00-11.45	<i>Production of Low-P Mn alloys using sludge</i>	Maria Wallin, NTNU	Manganese
25 Feb	15.00-15.45	<i>Salt vs. salt free dross treatment</i>	Anne Kvithyld, SINTEF	Aluminium
26 Feb	10.00-10.45	<i>In-situ measurements of material properties and critical process parameters: possibilities and limitations of novel IR-based approaches</i>	Katarina Grujic, Norce	General
26 Feb	11.00-11.45	<i>Modelling of prereduction kinetic in Comilog and Nchwaning ores</i>	Bertil Farjaudon, Haoxue Han and Ainur Nigmatova, Eramet Ideas	Manganese
11 March	15.00-15:45	<i>Compression Testing of CFFs in Aluminium</i>	Are Bergin, NTNU/Hydro	Aluminium
12 March	10.00-10.45	<i>Slagstruc- modelling slag structure</i>	Kai Tang, SINTEF	Silicon
12 March	11.00-11.45	<i>Measuring PAH formation from industrial C-materials</i>	Kamilla Arnesen, NTNU	General
25 March	15.00-15.45	<i>CO<sub>2</sub> Reduction in Aluminium Industry with Biocarbon and CCUS</i>	Samuel Senanu, SINTEF	Aluminium
26 March	10.00-10.45	<i>Operational problems – condensation reactions, slag and SiC-accumulation</i>	Merete Tangstad, NTNU	Silicon
26 March	11.00-11.45	<i>Industrial PAH Measurements</i>	Heiko Gaertner, SINTEF	General
8 April	15:00-15:45	<i>The Effect of Grain Refiner on Aluminium Filtration</i>	Sarina Bao, SINTEF	Aluminium
9 April	10:00-10:45	<i>Slag Properties in the Primary Production Process of Mn-Ferroalloys</i>	Merete Tangstad, NTNU	Manganese
9 April	11:00-11:45	<i>Inconsistencies in tapping of ferroalloy furnaces</i>	Jan Erik Olsen, SINTEF	General
22 April	15:00-15:45	<i>Silicon Rich Iron Alloy from Bauxite Residue</i>	Halvor Dalaker, SINTEF	Aluminium
23 April	10:00-10:45	<i>Densification of biocarbon</i>	Hamideh Kaffash, NTNU	General
23 April	11:00-11:45	<i>Re-oxidation of Manganese Ore</i>	Dmitry Sukhomlinov, NTNU	Manganese

6 May	15:00-15:45	<i>Dissolution Characteristics and Concentration Measurements of Alumina in Cryolite Melts</i>	Espen Sandnes, NTNU	Aluminium
7 May	10:00-10:45	<i>Modelling Si-Furnace Operational Conditions</i>	Gudrun Sævarsdottir, RU/NTNU	Silicon
7 May	11:00-11:45	<i>Prema Project – Show and tell from pilot experiments</i>	Trine Larssen, Jonas Einan Gjøvik	Manganese
20 May	15:00-15:45	<i>The Future of the Hall-Heroult Process</i>	Asbjørn Solem, SINTEF	Aluminium
21 May	10:00-10:45	<i>Flue Gas Recirculation- Experience from a pilot trial</i>	Vegar Andersen, NTNU	Silicon
21 May	11:00-11:45	<i>Molten Ferromanganese Slag Production from Mn-ores</i>	Tichaona Mukono, NTNU	Manganese
3 June	15:00-15:45	<i>Mathematical modelling of alumina dissolution</i>	Ellen Nordgård-Hansen, Norce	Aluminium
4 June	10:00-10:45	<i>Producing Si aluminothermically – SisAl Pilot</i>	Gabriella Tranell, NTNU	Silicon
4 June	11:00-11:45	<i>Depositing C from bio-gas on HC-FeMn slag</i>	Halvor Dalaker, SINTEF	Manganese
17 June	15:00-15:45	<i>Lithium batteries recycling</i>	Anne Kvithyld, SINTEF	Aluminium
18 June	10:00-10:45	<i>Research on the ferrosilicon process in Poland</i>	Bolesław Machulec	Silicon
18 June	11:00-11:45	<i>Slag calculator</i>	Sergey Bublik, NTNU	Manganese