

Plenary session – live streamed

12:30	12:40	Welcome to the conference Professor Merete Tangstad, NTNU
12:40	13:00	Bellona
13:00	13:20	Sustainable production of chlorosilane in Dow <i>Louise Daintith, Andy Jones, Peter Goossen, Sean Gaal, Dow - USA</i>
13:20	13:40	Silicon production with high energy efficiency and low CO2 footprint <i>Geir Ausland, Elkem - Norway</i>
13:40	13:50	Break
13:50	14:10	Empirical analysis of clogging of SiC charges: effect of condensation of SiO and CO <i>Andrea Broggi, Eli Ringdalen, Merete Tangstad, NTNU - Norway</i>
14:10	14:30	Important parameters that control the crater pressure in a Silicon Furnace <i>Halvard Tveit, Eli Ringdalen, Hanne Edfeldt, SINTEF</i>
14:30	14:50	Lattice strain and phase transformations in silicon introduced by the precipitation of Cu ₃ Si <i>Jörg Acker, Brandenburg University of Technology, Germany</i>
14:50	15:10	Historical and Perspective Development of Silicon- and Alloy-based Anode Materials for Lithium Ion Batteries – Reality Check <i>Egbert Figgemeier, Helmholtz-Institut Münster (HI MS) - Germany</i>
15:10	15:30	Silicon in the 2020s <i>Jorn de Linde, CRU, USA</i>
		End live streaming

Pre-recorded presentations

Bulk Resistivity of SiC and Carbon Materials in the Silicon Furnace <i>Haley Hoover, T.A. Pedersen, G. Sævarsdottir, and M. Tangstad, NTNU, Norway</i>
Particulate matter and related airborne emissions from silicon and ferrosilicon production <i>Ida Kero, SINTEF - Norway</i>
Carbon fibers – alternative to graphite core in composite technology? <i>Robert Becker, RHEINFELDEN CARBON GmbH & Co. KG- Germany</i>
Effect of melting properties of quartz on industrial Si and FeSi production <i>Eli Ringdalen, Halvard Tveit, Sarina Bao, SINTEF - Norway</i>

Slag in the tapping area in a Si furnace <i>Marit Buhaug Folstad, NTNU - Norway</i>
SisAl – A New Process for Production of Silicon <i>Gabriella Tranell, NTNU - Norway</i>
New Philosophy for Metal Production in a Green Environment <i>Bjørn Sandberg, Ragnar Tronstad, Cottbus, Brandenburg, Germany</i>
Advanced insights into the stoichiometry and kinetics on the reaction of silicon in HF/HNO₃ and HF/HNO₃/H₂SiF₆ mixtures <i>Anja Rietig, Thomas Langner, and Jörg Acker, Brandenburg University of Technology, Germany</i>
Activation of silicon in the hydrochlorination process <i>Jan Otto Hoel, Harry Morten Rong, Elkem - Norway</i>
Reactivity of HCl at the Si(100)-c(4x2) reconstructed surface: a DFT study. <i>Francesca L. Bleken, Ingeborg-Helene Svenum, Sylvain Gouttebroze, SINTEF - Norway</i>
Effects of Shortening a Pilot-Scale Hydrochlorination Reactor with Catalytic Considerations and Comparison to Mathematical Model Predictions <i>Matthias A. Colomb, Bryan Nettles, Steven Ladner mpsac - USA</i>
Characterization of carbonaceous compounds formed in the methylchlorosilanes syntheses <i>Eugénie Blaser, Stéphane Loridant,; Christophe Geantet, Cécile Rosier, Université de Lyon, Institut de Recherches sur la Catalyse et l'Environnement de Lyon (IRCELYON) - France</i>
Catalytic cracking and thermal cracking of CH₃Cl occurring in the methylchlorosilanes syntheses <i>Eugénie Blaser, Stéphane Loridant,; Christophe Geantet, Cécile Rosier, Université de Lyon, Institut de Recherches sur la Catalyse et l'Environnement de Lyon (IRCELYON) - France</i>
Lattice strain and phase transformations in silicon introduced by the precipitation of Cu₃Si <i>Jörg Acker, Brandenburg University of Technology, Germany</i>
Experimental investigations of monosilane pyrolysis: The importance of cyclic silanes <i>Guro Marie Wyller, IFE, Norway</i>

Thermodynamics of B in Si–Cu based alloys for optimizing B removal from SOG-Si <i>Tomohiro Mizutani, Wataru Fukada and Kazuki Morita, university of Tokyo - Japan</i>
Phosphorus and Boron removal from Si by vacuum and gas refining processes <i>Arman Hoseinpour, Gabriella Tranell, Jafar Safarian, NTNU - Norway</i>
The effect of Ti and Y addition on the microstructure and leaching purification of Ca-alloyed metallurgical silicon <i>Mengyi Zhu; Jafar Safarian, Kai Tang, NTNU - Norway</i>
Silicon and ferrosilicon phase change thermal batteries <i>Alejandro Datas, University of Madrid - Spain</i>
Effect of operation parameters and formulation on the submicron and nano size silicon powder properties produced by mechanical grinding <i>Nilssen, B. E.; Henriksen, B. R.; Kleiv, R. A., Elkem ASA - Norway</i>
The PV market situation in China 2019 and the future <i>Songsheng Zheng, Jin Chen, Xiaohui Hu, Zhibin Lin; Zhaolin Wang, College of Energy Xiamen University – P.R. China</i>