




SWEDISH MINING INNOVATION

Swedish Mining Innovation PhD student
network workshop in Skellefteå

Med stöd från

VINNOVA
Sveriges innovationsmyndighet

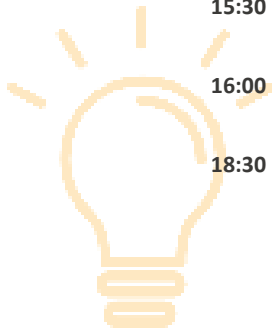
 **Energimyndigheten**

FORMAS 

Strategiska
innovations-
program

Thursday, 10 november

Venue	Wood hotel, Saiva conference room, Skellefteå
09:00	Morning fika and registration
09:30	Short Introduction/Welcome <i>Nils Jansson, LTU</i>
09:40	The need for raw materials to drive the green transition <i>Erika Ingvald, Geological Survey of Sweden</i>
10:30	Xtreme teaming – how industry and academia can build stronger collaboration <i>Martin Karlsson, Northvolt</i>
11:15	PhD research across the mining value chain – session 1 <i>SMI PhD student network members</i>
12:00	Lunch (Wood hotel)
13:00	PhD research across the mining value chain – session 2 <i>SMI PhD student network members</i>
14:00	AI in mining <i>David Degerfeldt, Boliden</i>
14:30	Afternoon fika
15:00	PhD research across the mining value chain – session 3 <i>SMI PhD student network members</i>
15:30	Arctic Sweden – the most impactful region of the world: About it's promises and challenges <i>Markus Gustafsson, MindDig</i>
16:00	Mobilaris – Technology and investments enabling the smart, green industrial transformation <i>Daniel Enström, Mobilaris</i>
18:30	Dinner (Wood hotel)



Friday, 11 november

08:00 Departure by bus from Best Western Malmia, Visit to Northvolt Ett

09:00 Visit to Boliden Rönnskär smelter

12:00 Lunch at Kopparmojjen

13:00 Sustainability RnD

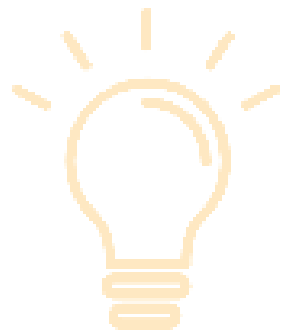
Erik Ronne, Boliden

13:45 Mineral Exploration and opportunities in Europe and beyond!

Sean Johnsson, Boliden

14:30 How to kill your colleagues and get away with it

Peter Burman, Boliden



Meet the speakers



Martin Karlsson, University Relations Manager, Northvolt

Dr Martin Karlsson has 18 years' experience working in the intersection between industry and academia, as Ph.D.-student, industrial researcher, R&D manager and different board roles in competence centers. In addition to the collaborations, he initiated a corporate industrial research school for industrial Ph.D.-students in order to teach how to lead industrial-academic collaborations. Since this Autumn he is the Global University Relations Manager for Northvolt, the battery manufacturing company that aims to decrease the carbon footprint with 80%.



Markus Gustafsson, Co-founder & chairman of the Board, MindDig

Before moving back to his hometown of Luleå from Stockholm, Markus was the CEO of Prime, the world's most awarded PR & Communications agency during his tenure. With over 20 years of experience within communications and change management, Markus has advised some of Sweden's most prominent national and international organizations in times of crisis, growth, and international expansion. Now, he is running MindDig together with his co-founder Chana Svensson. MindDig is a talent attraction and retention platform utilized by some of the largest companies in northern Sweden and many of its municipalities to attract 100 000 new talents to the region to help propel the green industrial revolution.

Meet the speakers



Erika Ingvald, Head of Division, Mineral Information and Mining Industry, SGU

Erika Ingvald is head of division, Mineral Information & Mining Industry, SGU. She has background as a geologist, science and innovation journalist, speech writer and press officer.



Daniel Enström, CEO, Mobilaris

Daniel Enström is the CEO of Mobilaris Group. With an impressive background of working in the forefront of technology in various leading positions roles, he truly knows how to transform technology potential into real customer value. He also has a long experience of bringing new technologies into products and solutions on a global market. Daniel joined Mobilaris in 2017 as CTO and has been responsible for all R&D and technology strategy, until he was appointed as CEO in January 2022. Before joining Mobilaris, Daniel worked more than 15 years at Ericsson in various roles and prior to his move to Mobilaris, he was responsible for the Ericsson Research efforts in 5G core networks, IoT device technologies, cloud services and media coding and analysis. He was a member of the global Ericsson Research leadership team. Daniel holds an M.Sc degree in Engineering Physics and a licentiate degree in Theoretical Physics.

Meet the speakers



Sean Johnson, Principal geochemist, Boliden

Sean has a PhD in Economic Geology and has held several research and management positions in Australia, US and Ireland. He has worked in a number of exploration, research, and consultancy roles with a variety of companies, government bodies and the EU commission, across Europe, North & South America, Greenland, Asia, Southern and Central Africa, and Australia. In 2021, Sean joined the Expert Group in Boliden with the aim of advancing discovery by supporting exploration strategy and developing the applied geological R&D portfolio.



Peter Burman, Program Manager Mine Automation, Boliden

Peter Burman, Program Manager Mine Automation Born 1964, Mr Burman holds a master of science and M.B.A. Mr. Burman has been Project Manager in the Mine Automation Program since 2012. 2015 appointed to Program manager for the whole mine automation Program. Working for Boliden 1988-1995 he left for the telecom business. During 17 years at Ericsson and Ascom he worked in various positions like R&D manager and Business Area Manager. He is also coordinating Boliden's contacts with some European universities and research organizations

Meet the speakers



David Degerfeldt, Section manager and Program Manager AI in Mining, Boliden

David Degerfeldt is a tech enthusiast with special interests in automation and Artificial Intelligence. After receiving a Ph.D. in computational electromagnetics, David developed advanced mobile network test equipment for Ericsson. Since 2015, he is with Boliden, leading a team that develops state-of-the-art solutions for process control. Since the last year, he has been tasked with setting up an R&D program in Artificial Intelligence for Mining.



Erik Ronne, Research Manager Sustainability, Boliden

Erik has a PhD in Medical Chemistry (1994) and has worked more than 20 years in the chemical process industry in various research and innovation management positions. He was the Manager of the Corporate Nanotechnology Research, and later the Global Innovation Manager of AkzoNobel. 2015 Erik was appointed Vice President Innovation at RISE Research Institute of Sweden. From 2021 he is the Manager of the Sustainability Research at Boliden Mines, which includes environmental research, extractive waste, social license to operate, biodiversity and climate impact.

Companies and organizations

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