



2024 High Latitude Photovoltaics Workshop Program (v2)

Date: March 14-15, 2024

Site: RISE Piteå, Sweden

Day 1 Time increment **Thursday, March 14, 2024**

Session 1 Field Trip to Helia Solar Power Park

8:00 4:30 Meet at TBD

12:30 1:00 Lunch Break (included in registration)

13:30 0:15 Welcome Address from Hosts

13:45 0:15 Introduction to Workshop Objectives

Session 2 Country Reports (installed capacity, policies, field performance, issues, etc.)

Chair: TBD

14:00 0:20 Sweden Anna Malou Petersson/Mattias Lindh RISE Sweden

14:20 0:20 Norway Eric Marstein IFE Norway

14:40 0:20 Finland Samuli Ranta TUAS Finland

15:00 0:30 Networking Break

Session 3 Country Reports Continued

Chair:

15:30 0:20 Denmark & Greenland Esben Larsen DTU Denmark

15:50 0:20 USA Chris Pike UAF USA

16:10 0:20 Canada Erin Tonita uOttawa Canada

16:30 0:30 Discussion

17:00 1:00 End of Day 1: Break before dinner

18:00 2:00 Workshop Dinner and Reception (open to all participants, included with registration)

Day 2	Time Increment	Friday, March 15, 2023			
8:00	0:30	Review/Preview/Themes	Chair: Josh Stein	SNL	USA
Session 4		Modeling performance of PV in High Latitude Conditions			
8:30	0:20	Snow losses and snow loss prediction	Mari Øgaard	IFE	Norway
8:50	0:20	Snowdrift in ground mounted power plants	Iver Frimannslund	NMBU	Norway
9:10	0:20	Bifacial irradiance simulations	Alexander Granlund	RISE	Sweden
9:30	0:30	Networking Break			
10:00	0:20	Short timescale solar forecasting/problems with low-quality climate data	Henry Toal	UAF	USA
10:20	0:20	NREL-ANL's South Pole optimization of renewables to power the new telescopes	Silvana Ovaitt	NREL	USA
10:40	0:20	Validation of solar irradiance products in Norway	Heine Nygard Riise	IFE	Norway
11:00	0:30	Networking Break			
Session 5		PV Reliability Issues		Chair: TBD	
11:30	0:20	Results from "Snowwise" or "Snow removal methods"		Alexander Granlund	RISE Sweden
11:50	0:20	Icephobic coatings R&D		Mattias Lindh	RISE Sweden
12:10	0:20	TBD			
12:30	0:20	Discussion			
12:50	1:00	Lunch Break (included)			
Session 6		Panel Discussion: Industry perspectives		Chair: TBD	
13:50	1:00	Moderated discussion about industry perspectives on issues and challenges of high latitude PV deployment.			
Session 7		PV Integration in High Latitudes			
14:50	0:20	Renew Svalbard	Anna Sjöblom Coulson	UNIS	Norway
15:10	0:20	Possibilities of solar PV in the industrial green transition in Northern Sweden	Anna Malou Petersson	RISE	Sweden
15:30	0:20	Solar and EV charging at high latitudes	Michelle Wilber	UAF	USA
15:50	0:20	TBD			
16:10	0:20	Discussion			
16:30	0:30	Networking Break			
Session 8		Group Discussion - Next Steps		Chair: Erin Whitney	US DOE USA
17:00	1:00	Guided discussion on next steps and opportunities to for contributing to a review/perspective paper describing the opportunities and challenges of PV in high latitude regions.			
18:00		End of Workshop			
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