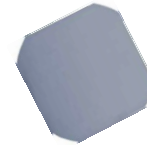


Short Course Theory and Processes for Solar Grade Silicon Production

Who should attend: Professionals (operation and research engineers/personal) in the industry, and MSc/PhD level students.



11-12 October 2018

Place: Auditorium 5000A, 5th floor, PFI building, Gløshaugen, Trondheim

Schedule 11 October

Time	Topic	Lecturer
08.00-8.15	Welcome	JS
08:15-09:00	Silicon solar cells	MDS
09.15-10.00	Purity requirements and characterization of SoG-Si	MDS
10.15-11.00	Introduction to MG-Si Production in SAF	MT
11.15-12.00	Lunch	
12.00-13.15	Furnace zones and reactions	MT
13.15 -14.00	Oxidative ladle refining	EB
14:15-15:00	Directional solidification	EØ
15.15-16.00	Directional solidification	EØ

JS= Jafar Safarian
 MT=Merete Tangstad
 ØS=Øyvind Sortland

MSD= Marisa Di Sabatino
 KT= Kai Tang
 EB= Erlend Bjørnstad

EØ= Eivind Øvrelid
 LJ= Lars Jakobsson

Schedule 12 October

Time	Topic	Lecturer
08.15-09:00	Solar silicon waste and recycling	HD
09.15-10.00	Chemical processes for SoG-Si production	JS
10.15-11.00	Thermodynamics of high purity silicon	KT
11.15-12.00	Hydrometallurgical refining of silicon	JS
12.00-13.15	Lunch	
13.15 -14.00	Slag refining of silicon	LJ
14:15-15:00	Gas refining of silicon	ØS
15.15-16.00	Vacuum refining of silicon	JS
16:00-16:15	Summary	

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Course Contributors



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Registration:

Send an e-mail to Jafar.Safarian@ntnu.no to register before 31 September, please also mention that you will participate on

- both 11 and 12 October
- or
- Only 11 October
- or
- Only 12 October