

CIRMAN Project

Fall School Program

<https://www.cirman.org/>

Sept. 4th-8th, 2023 NTNU Norway



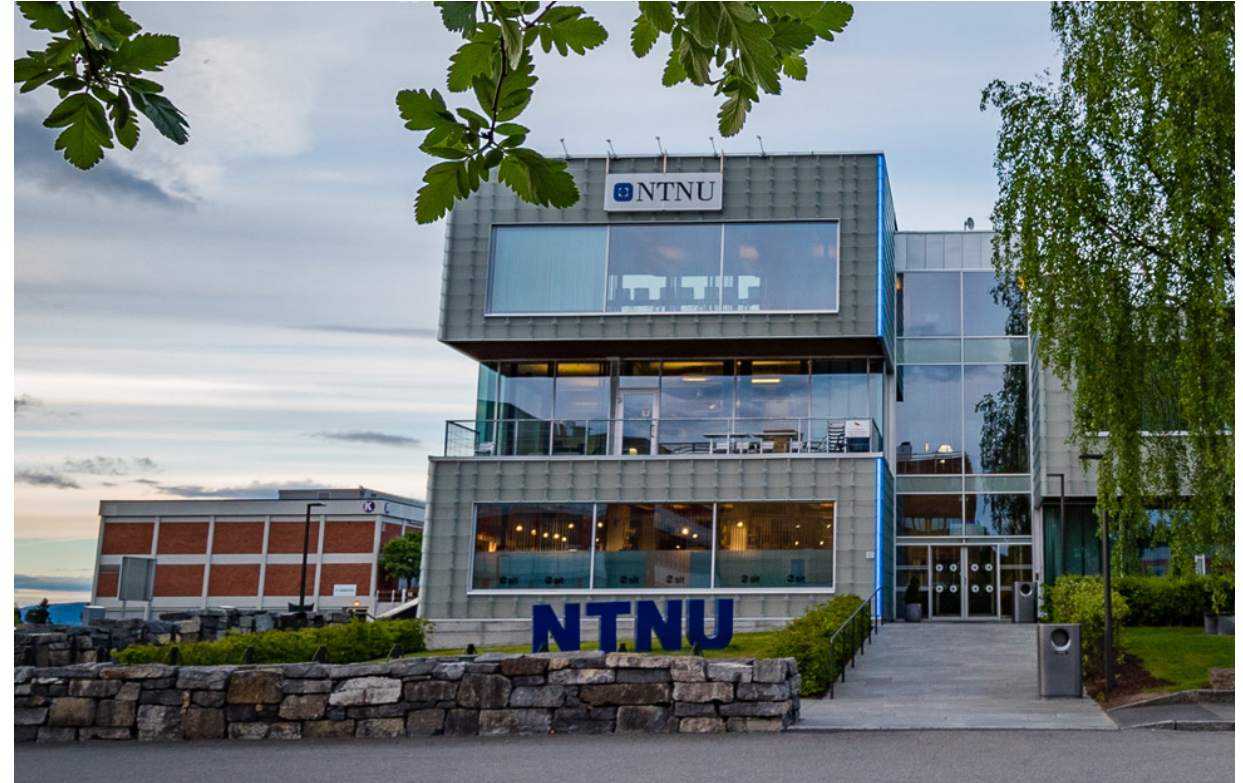
Program Overview

Sunday Sept.3	Mon Sept 4 th Industry tour*		Tuesday Sept 5 th Industry tour*		Wednesday Sept 6 th Lecture & Group work		Thursday Sept 7 th Lecture & Group work		Friday Sept 8 th Group work & Presentation	
	Ålesund				Gjøvik					
Field Survey at Ålesund	8:00 16:30	Visit to NTNU Ålesund	08:00 15:00	Industry tour to Green Yard Kleven	8:30	Registration				
		Industry tour to Kongsberg Maritime in Brattvåg		Visit NMK	9:00 12:00	Introduction to Design and logistics for circularity - TBD	9:00 12:00	Workshop /group work with cases TBD	9:00 12:00	Group work – preparation for presentation
					12:00 13:00	Lunch	12:00 13:00	Lunch	12:00 13:00	Lunch
					13:00 16:30	Group work - TBD	13:00 16:30	Group work	13:00 16:00	Presentations of the results of the group works
	19:00	Dinner	15:00 19:00	Travel to Oslo and then Gjøvik		CIRMAN Meeting Free time		Free time		Free time

NTNU Campus



Ålesund



Gjøvik

Industrial Tour in Ålesund

Sunday Sept.3	Mon Sept 4 th		Tuesday Sept 5 th	
Field survey at Ålesund	Pick up at 7:30 outside the hotel		Pick up at 8:00 outside the hotel	
	08:00	Arrival at NTNU Ålesund	8:00 - 9:30	Transport to Ulsteinvik
	08:15 - 8:30	Welcome speech by vice-rector		
	8:30 - 8:50	NTNU in Ålesund's sustainability studies and research in the circular economy - Annik Magerholm		
	09:00 – 10:45	Visit various labs on campus (Manulab, visualization lab, IHB's labs)	09:30-11:30	Visit Green Yard Kleven
	10:45 - 11:00	Walk to NMK		
	11:00 - 11:45	Introduction to Kongsberg Maritime and sustainabili	11:30-13:00	Transport to NMK with lunch on the ferry
	11:45-12:30	Lunch at NMK		
	12:30-13:30	Transport to Brattvåg		
	13:30-15:30	Visit Kongsberg Maritime, Brattvåg	13:00-15:00	Visit NMK
	15:30-16:30	Transport to hotellet	15:00	Transport to airport
	16:30 - 19:00	Free time		
	19:00 - 22:00	Dinner at Fjellstue		19:30

Industrial Tour in Ålesund

Information about the company visit:

Norway, Brattvaag - Kongsberg Maritime AS

<https://www.kongsberg.com/maritime/contact/our-offices/norway-Brattvaag-as/>

Green Yard Kleven

<https://en.greenyard.no/>

NMK

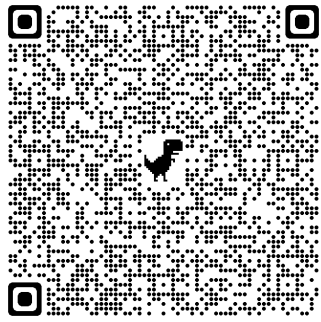
<https://www.nmcc.com/en/>

Fall School in Gjøvik

Wednesday Sept 6 th Lecture & Group work			Thursday Sept 7 th Lecture & Group work			Friday Sept 8 th Group work & Presentations		
08:30-9:00	Registration		Coffee			Coffee		
09:00 - 09:15	Wellcome to the Fall school	Rector NTNU	09:00 - 09:30	Industrial design for circularity	Morten Sagstuen /NTNU	09:00 - 09:30	Q&A about group work	All
09:15- 09:45	Logistics for circularity	Dr. Godfrey Mugurusi/NTNU	09:30 - 10:45	Group Work/cases	All	09:30 - 12:00	Group work/cases	All
09:15 - 10:15	Design for circularity	Dr. Suryakumar. S/IITH						
10:15 - 10:45	SUP light weight materials	Dr. Sverre Gulbrandsen/Sintef						
10:45 - 11:00	Coffee Break		10:45 - 11:00	Coffee Break				
11:00 - 11:30	Kinetic spray of ceramics and metals towards low-temperature repair	Dr. Shinoda/AIST	11:00 -12:00	Group work with feedback from professor	All			
11:30 - 12:00	Life Cycle of Aluminium products logistics and design challenges	Geir Ringen/NTNU						
12:00- 13:00	Lunch							
13:00 - 14:00	Introduction to the cases and group work	Carla Assuad	13:00 - 16:30	Group work / cases	All	13:00 - 16:15	Presentation of group work	All
14:00 - 16:30	Group work / cases	All				16:15 - 16:30	Wrap up and closing	Carla Assuad

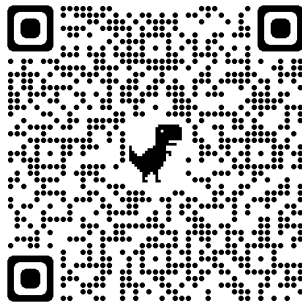
How to get to NTNU in Gjøvik

Google Maps
NTNU in Gjøvik

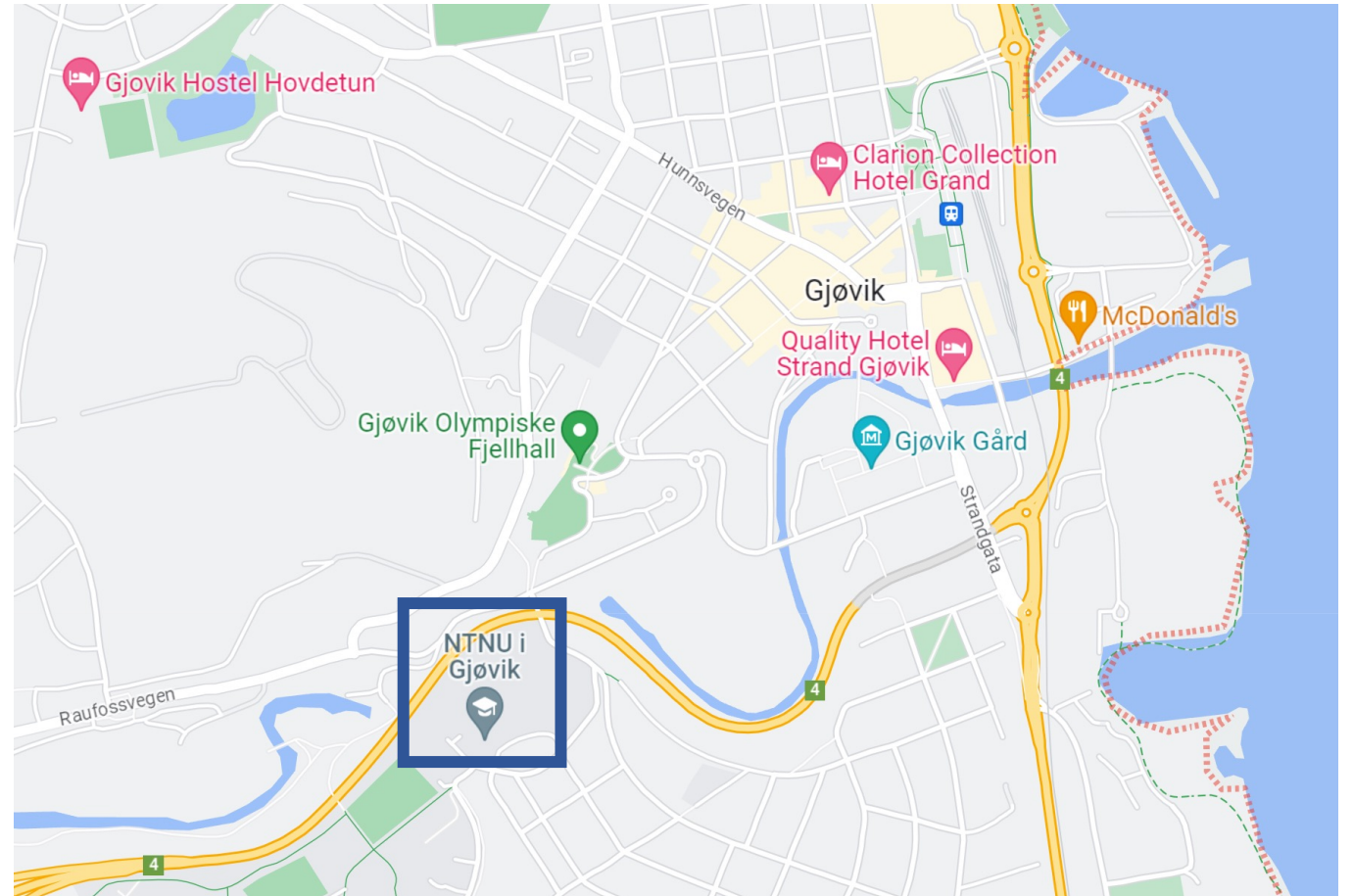


<https://goo.gl/maps/R3bud2niypQRjzBK8>

Use MazeMap in
Campus, iOS/Android
available



<https://use.mazemap.com/#v=1&config=ntnu&zlevel=1¢er=10.679006,60.789588&zoom=15.8&campusid=55>



How to get to NTNU in Gjøvik

Campus Information

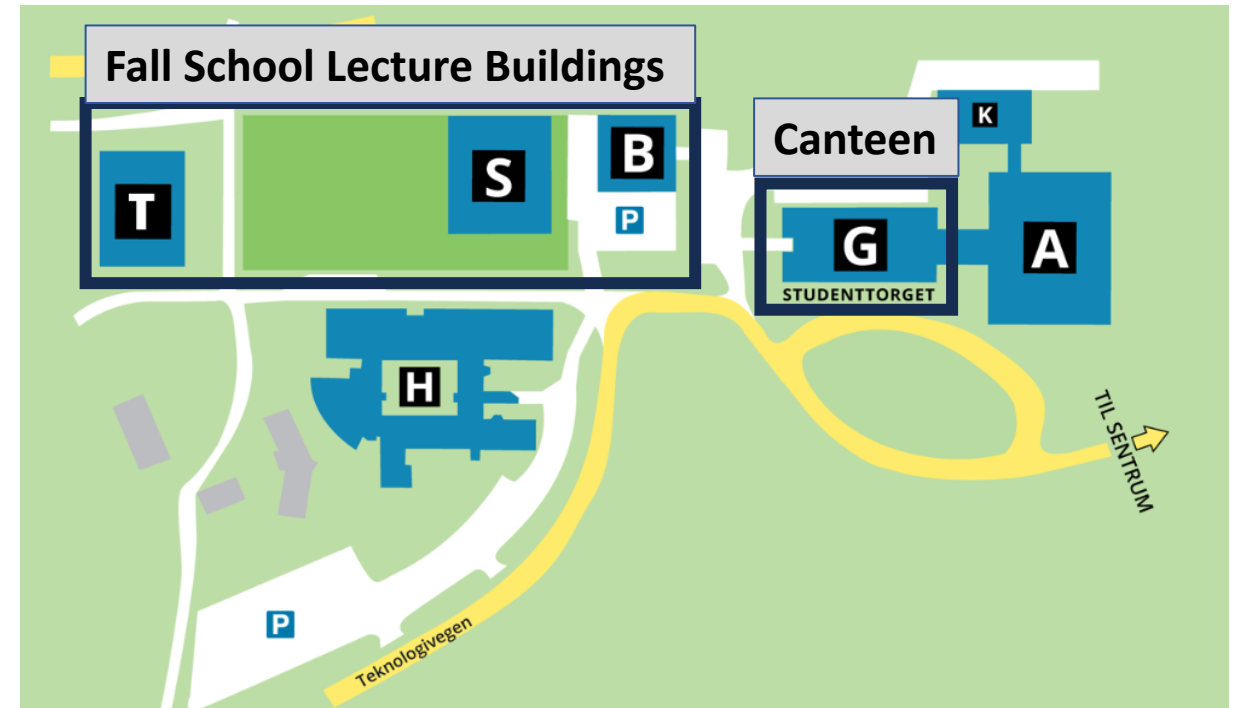


<https://www.ntnu.edu/gjovik>

Access to Wireless Network

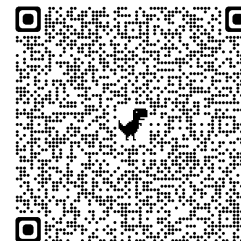


<https://i.ntnu.no/wiki/wiki/English/wireless%20network>



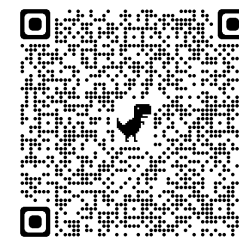
Fall School Lecture Rooms		
Wednesday	Thursday	Friday
09:00-11:00 S310	09:00-12:00 B210	09:00-12:00 T115, T116, S313, S407, S409
11:00-12:00 B211	13:00-16:00 S312, S313, S407, S413, S414	12:00-16:00 LØA
13:00-16:00 S312, S313, S407, S413, S414		

S Building



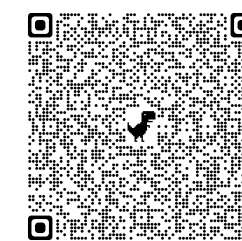
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T Building



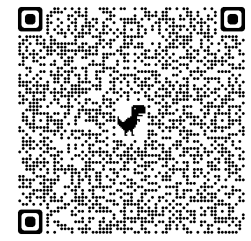
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B Building



<https://goo.gl/maps/jExhPT57EdijksBK9>

G Building



<https://goo.gl/maps/HcdDcPPpTfQCRBWN6>