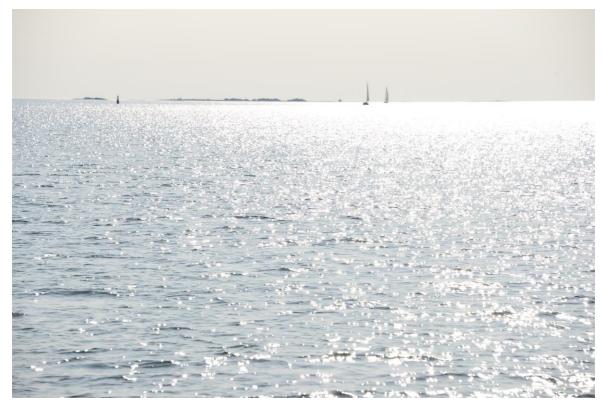
## SUMMER SCHOOL OF DENTAL BIOMATERIALS



Molecular and Structural Engineering of Resin Based Dental Materials

**Date: August 16 – 18, 2023** 

Place: Seili Island, Turku Archipelago, Parainen, Finland

https://www.utu.fi/en/units/cerut/archipelago-research-institute/Pages/home.aspx

https://en.wikipedia.org/wiki/Själö

Summer School Hosts:
Professor Pekka Vallittu (University of Turku)
Professor Arzu Tezvergil-Mutluay (University of Turku)

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Day 1	
16.00	Arrival to Seili island
16.30-16.45	Welcome / Introduction of the course participants and lecturers Arzu Tezvergil-Mutluay and Pekka Vallittu
16.45-17.45	Polymer composition engineering Dr Hilde BM Kopperud, NIOM, Norway
18.00	Dinner
19.00-22.00	Introduction to Finnish SAUNA Networking and discussions on research planning
Day 2	
8.15-9.15	Polymer composition engineering Part II Dr Hilde BM Kopperud, NIOM
9.15-10.15	Why and how to create new structures and molecules for restorative materials  Dr Frank Pefferkorn, Dentsply
10.15	Coffee Break
10.30-11.30	The chemistry and physics behind dental material curing Dr Marcel Werner, Coltene Whaledent
11.30-12.00	Discussion and conclusions
12.00-13.00	Lunch break
13.00-14.30	Composite properties and their clinical relevance Prof Martin Rosentritt, Regensburg, Germany
14.30	Coffee break
15.00-16.30	Engineering high-strength composite materials Prof. Pekka Vallittu, University of Turku
16.30-18.00	A visit to the Archipelago Research Institute and Finnish history
18.00	Dinner
19.00-22.00	Finnish SAUNA Networking and research discussions

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Day 3	
8.00-9.00	Breakfast and packing
9.00-10.00	Multifunctional adhesives for tooth-biomaterials interface, current challenges Prof. Arzu Tezvergil-Mutluay, University of Turku
10.00-11.00	Young investigator forum
	1. Application of laser diode for photopolymerization of resin composites Assistant Professor Yoshiki Ishida, Nippon Dental School
	2. Silver Daimine Fluoride: Effect on Adhesion to Dentin Dr Merve Uctasli, University of Turku
	3. Effect of silicate-based cement on dentin matrix and dentin protease activity Dr Ikram Salim, University of Turku
11.00	Summary and conclusions
11.15	Lunch
12.30	Departure from Seili to Nauvo, m/s Norrskär
13.00	Bus to Turku
14.30	Arriving in Turku