

Master's thesis seminar in Building Technology 7-2022 12th December 2022

	Sukunimi, Etunimi/Last name, First name	Diplomityön aihe/Title of thesis	Valvoja/Supervisor	Ohjaaja/Instructor	Lyhyt kuvaus diplomityöstä/Short description of the thesis
09:00- 09:20	Latif, Haseeb	Ground-penetrating radar (GPR) for non-destructive characterization of reinforced concrete structures	Prof. Jouni Punkki	Fahim AL Neshawy	Using GPR evaluation and characterization of Reinforced Concrete Structures
09:20- 09:40	Akbar, Numan	Segregation Sensitivity of Concrete	Prof. Jouni Punkki	Hassan Ahmed, Aalto University	Segregation Sensitivity of different slump class of Concrete
09:40- 10:00	Oli Aman	Automatic Detailing of Prefabricated Concrete Elements	Prof. Olli Seppänen	Abou Ibrahim Hisham, Aalto University	
10:00- 10:20	Koljonen, Atte	Pohjoismaisten rakennusalan yritysten strategiset valinnat ja taloudellinen menestys	Prof. Antti Peltokorpi	Petri Uusitalo	
10:20- 10:40	Nguyen-Ky Si	Thermal Comfort and the Adequacy of Demand-controlled Ventilation in Indoor Sports Facilities	Prof. Heidi Salonen/ Prof. Antti Peltokorpi	Camilla Vornanen-Winqvist (Aalto University), Jarek Kurnitski (Aalto University, Tallinn University of Technology)	Conventional, standardised thermal comfort models are not capable of assessing and predicting the comfort in sports environment. A simulation study of the Latokartano sports hall using FIALA thermal comfort model has shown that demand-controlled ventilation with lower temperature setpoints 3 degrees helps save up to 18% of heating energy without affecting the thermal comfort of the hall users. Technical and operational challenges and improvement suggestions of DCV were also discussed.
10:40- 11:00	Matias Ailio	CLT-betoniliittorakennevälipohjien kosteustekninen toimivuus	Prof. Heidi Salonen/ Prof. Antti Peltokorpi	Emil Jansson, Ramboll	

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