



WWSC Academy and Treerearch, Winter School 2021

Characterization of Hierarchical Order in Solid and Liquid Wood Derived Systems.

Scientific leaders: Prof. Daniel Söderberg and Prof. Aleksandar Matic

2.0 ECTS credits Virtual visits to ForMAX and MAX IV and Tetra Pak



April 12-16, 2021, Online

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- Mandatory course for WWSC PhD students
- 2 credits.
- Material for reading will be distributed (WWSC) by April 12
- Short abstract on research project to be submitted by PhD-students together with 1 pitch-slide by April 16
- Zoom-based course
- Virtual site-visits to ForMAX, MAX IV



Preliminary Program

12 April,	10-11:30	Introduction to the course – why scattering techniques and tasks! Aleksandar Matic and Daniel Söderberg
	13-15	Scattering techniques for dummies, Stephan Roth
	15-17	Neutron-based characterization, contd., including brief description of ESS, Yasmine Sassa
13 April	9-10	Photon-based characterization, Stephan Roth
	10-11:30	SAXS/WAXS and NMR-techniques as tools for structure characterization, Tomas Larsson
	13-15	Group exercise: “roundtable” introduction, my topic and research question(s), prepared!
	15-17	Hierarchical order in solid wood and wood derived systems, Tomas Rosén
14 April	9-11:30	Group exercise: what if I could... Introduction “The world of research infrastructures, possibilities and access”
	13-14	Virtual visit MAX IV
	15-17	Group exercise: choice of facility, writing of research proposal according to the appropriate template
15 April	9-11	Applications of scattering techniques, Marianne Liebi, Aleksandar Matic and Daniel Söderberg
	13-17	Group exercise: preparation of presentations
16 April	9-12	Examination – presentations of proposals and hand-in of proposal