

GRADERESEARCH SPRING SEMINAR 2021 – 16-17 March

Zoom: <https://umu.zoom.us/j/530535389>

Passcode: xLk@g0

(Swedish time - GMT +1)	Tuesday 16/3	Wednesday 17/3
9.00-10.30	Welcome, introduction to the days. Symbolic technologies and the shaping of human cognitive practices - Roger Säljö	Short welcome to day 2 Presentations from PhD-students UPGRADE
11.00-12.00	Exploring how we research digitization of teacher education: A tour of the island - Jo Tondeur & Sarah Howard	NAFOL's signature pedagogy - Kari Smith
12.00-13.00	Lunch	Lunch
13.00-14.00	What can physiological data tell about students self-regulated learning - Jonna Malmberg	Designing for Transformational Change in School – Digitalizing the Digitized - Annika Agelii Genlott
14.00-15.30	Presentations from PhD-students GRADE	Mini keynotes from participating seniors
15.30-16.00	Cont. presentations from PhD-students GRADE	Brief closing session
16.30-17.30	Challenges and Opportunities of COVID-19 for Rethinking and Reinventing Learning, Education, and Collaboration in the Digital Age - Gerhard Fischer	
18.30-20.30	Collective online dinner in zoom	

For Roger Säljö's presentation the following abstract and readings are provided:

Abstract

Materiality plays a fundamental role in the evolution of the human mind, and this applies to phylogeny (the species) as well as ontogeny (the individual). A central feature of our impressive capacities to accumulate knowledge is the emergence of increasingly diverse symbolic technologies (written language, number systems, maps, tables, calculators and other representational systems) through which we can document and analyse what we (and our predecessors) have learned about the world. Human knowing is shaped by our familiarity with the affordances of such material resources; i.e. we learn and know by interacting with them. This feature of human knowing and thinking has a long history, but becomes especially interesting in a digital era when many of our cognitive practices (remembering, perception, problem-solving etc.) in daily activities rely on the use of such symbolic technologies.

Säljö, R. (2019). Materiality, learning, and cognitive practices: Artifacts as instruments of thinking. In T. Cerrato-Pargman & I. Jahnke (Eds.), *Emergent practices and material conditions in learning and teaching with technologies* (pp. 21-32). London: Springer.

For Gerhard Fischers presentation the following reading is provided:

Fischer, G. (2021), "Challenges and Opportunities of COVID-19 for Rethinking and Reinventing Learning, Education, and Collaboration in the Digital Age", *merz | medien + erziehung*, 65 (1), pp. 30-36 <http://l3d.cs.colorado.edu/wordpress/wp-content/uploads/2021/01/FINAL-merz-21-1Fischer.pdf>

Tuesday 16th March, 14.00-16.00

DOCTORAL STUDENTS GRADE

Ten minutes presentations each, at most four slides.

- 14.00 Charlotte Arkenback Sundström - Digitalisation in Workplace Learning in Interactive Service Work
- 14.10 Sara Ekström - What happens when a robot enters the classroom as social actor?
- 14.20 Elin Ericsson - Immersive Technology and Foreign Language Teaching & Learning - Student Speaking Activities with Conversational Agents in Spoken Dialogue Systems
- 14.30 Ana Fuentes Martinez - Teachers' tactics when programming and mathematics converge
- 14.40 Fabian Gunnars - Behavioral Studies and Learning Analytics in Primary Education
- 14.50 Ulrika Gustavsson - Digitalising schools in Sweden. Formation and translation of national policy at different levels.
- 15.00 Niklas Humble - K-12 Teachers' use and perception of programming tools in mathematics and technology
- 15.10 Malin Jansson - From student to tutor and back again. Students' support of their own and other students' process of inquiry in an online tutoring environment
- 15.20 Sara Mörtsell - Digital engagement and materiality in school-closed teaching practices.
- 15.30 Katarina Parfa Koskinen - Remote Sámi language education as an arena for Indigenous efflorescence
- 15.40 Jussara Reis Andersson - Expanding the use of digital technology in the Swedish educational system - A study on management change practice between school organizers and school leaders
- 15.50 Karoline Schnaider - Understanding Meaning-Making through Digital Visual User Interfaces (DVUIs): A Comprehensive Semiotic Approach to Technology Use Across Multimodal Layers

Tuesday 16th March, 18.30-20.30 Collective dinner in zoom.

Unfortunately, we have not found a catering company that can handle food distribution to each participant, so we will need to cater for our selves individually. But we can all join together in zoom for a collective dinner. We will divide the dinner into three courses; appetizer, main course, and dessert. We will start with a short welcome to the tables, and then divide us all into breakout rooms of about four-five participants. This will be like a table for the appetizer. After about 30 minutes we will re-join in the collective room for a quick chat, and then head for new breakout rooms for the main course. After about 30 minutes we will re-join the collective room for a new breakout group for the dessert. Before ending the dinner we will re-join the collective room for final chats and small talk.

Wednesday 17th March, 9.00-10.30

DOCTORAL STUDENTS UPGRADE

Fifteen minutes presentations each, at most five slides.

- 9.00 Marie Bengtsson - Teacher Education as a node in a digitalized school system (?) Agency, concerns and spaces evolving and erupting in teachers digital learning.
- 9.15 Martin Holmgren - The inclusion of special education in school's digitalization - a special educational perspective on the digitalization of schools
- 9.30 Amelie Nebes - Digital tools in quality work in preschools - Actors sensemaking, competence development and quality work
- 9.45 Sandra Svensson - Digital tools in vocational education – who needs them, how and why are they used?
- 10.00 Rafael Zarega - The importance of Digitalization and Computational Thinking in the educational system of 21st century.
- 10.15 Alex Örtengren - Teacher Education in the Digital Age: Exploring Digital Citizenship, Digital Competence, and Democracy

Wednesday 17/3

SENIOR RESEARCHERS PRESENTATIONS – about 15 minutes each.

- 14.00 Stefan Hrastinski - What do we mean by blended learning
- 14.20 Ylva Lindberg - Languages, Literatures, Literacies, and Learning (LLLL) in digital and media dense environments.
- 14.40 Anders D Olofsson- Some notes about (professional) digital competence in teacher education
- 15.00 Lena Pareto – Robots as digital learning companions
- 15.20 Lars Svensson - Sociality in online education