

GIFTED EDUCATION RESEARCH IN NORDIC CONTEXTS – Talent development research in Nordic higher education, schools, and out-of-school contexts



9:30-12:30, Tuesday 7 December

- by Zoom <https://kau-se.zoom.us/j/61163099318> OR
- in person at Karlstad University room 9D 303 (please confirm physical attendance to catherine.andersson-busch@kau.se so we can provide fika).

Warm open welcome to **all or some** of the individual presentations listed below:

Programme:

9:30-9:35 *Welcome (seminar chair Dr Elisabet Mellroth)*

9:35-10:25 Innovating STE(A)M in Higher Education with Transdisciplinary Talent Programs (EU project)

10:25-10:40 *fika pause*

10:40-11:20 Critical incidents in the development of academic talent among Finnish students gifted in science

10:20-10:25 *mini pause*

11:30-12:00 20 Years on: Icelandic experience of out-of-school programs for precocious children

12-12:30 **12:00-12:30** GiftED Doctoral Programme and Nordic Network for Gifted Education

Abstracts:

9:35-10:25

Innovating STE(A)M in Higher Education with Transdisciplinary Talent Programs

Professor Ella Maria Cosmovici Idsøe, University of Oslo, Norway

The STEAM+ project aims to provide educational policy makers with instruments to prepare new generations for handling the challenges of our time. Europe faces grand challenges which have a STEM subject at their core, but need knowledge from All other subjects (the extra A) to create STEAM solutions. The STEAM+ project uses transdisciplinary talent programs as laboratories of innovation in higher education (HE). We run three STEAM+ Innovation Labs, where students and teachers from nine countries co-create solutions for grand challenges. see more info at <https://wp.steamtalent.eu/> *At the end of this presentation you invited to discuss: What challenges do you see in developing and implementing transdisciplinary (honour programs) in your institution/country? How do you suggest these challenges could be solved?*

10:40-11:20

Critical incidents in the development of academic talent among Finnish students gifted in science - Professor Kirsi Tirri, University of Helsinki, Finland

In this presentation, I will present empirical studies performed in Finland among gifted students in science during the last 25 years. The focus is on the critical incidents during their education that have helped or hindered them to actualize their talents. I also examine the role of gender among gifted science students and present a case-study of gifted female from the Finnish data who has reached eminence in her field. Educational implications with future perspectives for gifted education are also discussed.

At the end of this presentation you are invited to discuss issues of self-actualisation, talent development and gender in relation to both school science education and wider education.

11:30-12:00

20 Years on: The experience of out-of-school programs for precocious children – *Associate Professor Meyvant Porofsson, University of Iceland & Dr Lilja Kristinsdóttir, UC SYD, Denmark*

In 2001-2004, an out-of-school program for gifted children named “Precocious Children – Proper Assignments” ran in the capital region in Iceland. It featured activities for precocious children aged 10 to 14. Subsequently, a small organization named Ad Astra was founded; offering a similar program in 2007-2011 to children aged 11 to 15. The purpose of this study was to explore the experience of such programs. Data collection comprised qualitative data about the development of the programs and, consequently, quantitative data based on questionnaires assigned to participants and others concerned for retrospective examination 20 years after the first program started. *At the end of this presentation, you are invited to discuss opportunities for out-of-school talent development in the Nordic countries, and how these can work alongside talent development with schools/preschools.*

12:00-12:30 GiftED Doctoral Programme and Nordic Network for Gifted Education:

Introductions **Professor Mara Westling Allodi, Stockholm University, Professor Valerie Margrain, Karlstad University** and **Professor Gisela Priebe, Karlstad University**

After a short overview of the GiftED DP and NNGE network, we invite you to engage in discussion, critical debate, connection-building and advice-sharing - how can we support the nine new Swedish doctoral students, and engage in interdisciplinary research which strengthens Nordic gifted education?



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The seminar is supported by Karlstad University Institution for Educational Studies (IPS).

RSVP physical attendance to: catherine.andersson-busch@kau.se