

NORSMA9 program:

**Tuesday 22.5.2018:**

9.30 Conference registration and coffee

10.00 Opening of the conference:

Fritjof Sahlström, Dean, Faculty of Education and Welfare Studies, Åbo Akademi University  
Arne Engström, NORSMA scientific committee, Karlstad University, Sweden

10.30-12.00 Paper presentations 1 (3 parallel sessions)

12.00-13.00 Lunch

13.00-14.30 Paper presentations 2 (3 parallel sessions)

14.30-15.00 Coffee

15.00-16.15 Keynote 1: Bert De Smedt

19.00 Conference Dinner

**Wednesday 23.5.2018:**

9.00-10.15 Keynote 2: Pirjo Aunio

10.15-10.30 Coffee

10.30-12.00 Paper presentations 3 (3 parallel sessions)

12.00-13.00 Lunch

13.00-13.30 Closing of the conference

**Paper sessions 1: Tuesday (22.5) 10.30-12.00****Session 1A, room F606**

Symposia		
The role of the working memory and language skills in the prediction of arithmetic skills, and word problem solving at kindergarten and second grade	Kyttälä	FIN
The effects of explicit instruction intervention in K-2 students with low performance	Aunio	FIN
The connection of student's arithmetic skills in 5th grade with student self-assessment and teacher assessment of students' emotional and behavioral strengths in 5th, 6th, and 9th Grades	Hakkarainen	FIN
Dimensionality of math anxiety and its longitudinal associations with math performance in adolescent students	Korhonen	FIN

**Session 1B, room C302**

Pedagogical tactfulness - relational study about the incalculable in mathematics teaching	Ljungblad	SWE
The nature of knowing in relation to students in need of special education in mathematics	Roos	SWE
Universal Design for Assessment (UDA) in Undergraduate University Mathematics: Comparing Access and Target Skills Between Digital Self-Assessment and Traditional Course Exam	Nieminen	FIN
Special need teacher's descriptions and the relationship between educational objectives	Johnsen	NOR

**Session 1C, room D406**

Sosiometrisesti suosittujen, torjuttujen, ristiriitaisten, huomiotta jätettyjen ja keskimääräisten lasten väliset erot käyttäytymisen ja tunne-elämän vahvuuksissa.	Rytioja	FIN
Pathways to educational aspirations	Widlund	FIN
Cognitive Profiles Predicting Reading and Arithmetic Skills at Grade 1 and at Grade 7	Korpiää	FIN

**Paper session 2: Tuesday (22.5) 13.00-14.30****Session 2A, room F606**

Enhancement of SFON and cardinality related skills at day care	Hannula-Sormunen	FIN
Baseline assessment: Effects of cognitive skills and parental SES to the number	Räsänen	FIN
Early identification of risk of arithmetical difficulties	Reikerås	NOR
Addition and subtraction skills of Norwegian and Finnish third graders	Mononen	NOR

**Session 2B, room C302**

Students in mathematical difficulties - teachers and students about low performance	Karlsson	SWE
Students attaining low results in mathematics	Dalvang	NOR
Resources for competence building in Norway	Olaug Ellen Lona Svingen	NOR
Inclusion and student collaboration in the classroom	Mette Lykke Krogh	DEN
Formative Assessment from Special Education Teachers' perspective	Andersson	SWE

**Session 2C, room D406**

Grade 1, 4 and 7 students' comprehensions strategies when reading their mathematics textbook	Segerby	SWE
Developing Dysfunctional Arithmetic Methods When Playing an iPad game	Rietz	SWE
Differences in learning outcome between low achievement pupils in mathematics with, versus without, special needs education	Skorpen	NOR
Dyscalculia interview as bridge between neurocognition and mathematics education	Lindeskov	DEN

**Paper sessions 3: Wednesday (23.5) 10.30-12.00****Session 3A, room F606**

Symposia		
How are arithmetic skills in the four operations related for boys and girls	Sunde	DEN
Change and stability in the Mathematical Performing Groups in Grade One	Hellstrand	FIN
Developmental Profiles in Mathematics of Students with ID in Inclusive Classrooms	Schnepel	SUI
Improving numeracy skills in low-performing first graders: A Randomized Controlled Trial	Lopez-Pedersen	NOR

**Session 3B, room C302**

Reciprocal predictions between interest, self-efficacy, and performance during an inductive reasoning task	Niemivirta	FIN
Early identification of reading and writing difficulties	Risberg	FIN
Behavioral Executive Functions and arithmetic fluency in primary school children	Husberg	FIN
How schooling affects Spontaneous Focusing on Numerosity and arithmetical skill	Nanu	FIN

**Session 3C, room D406**

Les Misérables - Elever med mycket låga prestationer i matematik	Engström	SWE
Pedagogical Relational Teachership, PeRT - A multi-relational perspective	Ljungblad	SWE
What happens when... everyone counts	Vennberg	SWE
A Decade of Mathematics Education and Dis/abilities Research: Directions for Future	Tan	USA