

Programme

International Workshop on Computational Thinking and Coding Skills in Schools, October 30th 2017

For possible late changes, please see the symposium website: <https://goo.gl/ByVZXa>

08.30-09.00 Registration desk open

09.05-09.15 Opening of the event, *Marcelo Milrad, Professor at Linnaeus University, Sweden*

Session 1: International Perspectives on Computational Thinking

Chair: Teresa Cerratto Pargman

09.20-09.45 Computational Thinking Education in Hong Kong: The Lessons Learned, *Siu Cheung Kong, (The Education University of Hong Kong)*

09.45-10.10 Scaling up Teaching Computational Thinking to All Students in the City of Linköping, *Fredrik Heintz, (Linköping University)*

10.10-10.30 Coffee break

10.30-10.55 First Experiences of Using Calliope for fostering Computational Thinking: insights from German schools, *Marc Jansen & Tanja Lübbers, (University of Applied Sciences Ruhr West)*

10.55-11.20 Make IT and Coding Skills in the Kronoberg Region: Bringing educational practice, innovation and research together, *Marcelo Milrad, Katrin Lindwall & Lennart Axelsson, (Linnaeus University and The Kronoberg Region)*

Session 2: Computational Thinking and the Make Approach to Support STEM

Chair: Nuno Otero

11.25-11.50 Computational thinking in context: Teachers and students designing Digital Games where Rules and Values Co-Exist, *Chronis Kynigos, (National and Kapodistrian University of Athens)*

11.50-12.15 An informal learning approach for teaching coding skills and STEM related topics in primary schools, *Dan Kohen, (Holon Institute of Technology)*

12.15-13.15 Lunch break

Session 2: Computational Thinking and the Make Approach to Support STEM

13.20-13.45 From Teaching LISP to Making Robots: Lessons learned in online learning environments for programming, *Marcus Specht, (Open University of the Netherlands)*

13.50-14.15 MAKING as an interdisciplinary approach in the new Finnish curriculum *Linda Manila, (Digismart)*

Session 3: Panel Discussion

14.20-15.10 Computational Thinking Education: Current Efforts, Perspectives and Challenges

- A panel *Siu Cheung Kong*, (*The Education University of Hong Kong*), *Fredrik Heintz*, (*Linköping University*), *Linda Manila* (*Digismart*) and *Chronis Kynigos*, (*National and Kapodistrian University of Athens*), Panel moderators: *Teresa Cerratto Pargman* and *Marcelo Milrad*

15.10-16.15 Hands-on session and coffee break

An interactive session to socialize and try out different tools and approaches to work with computational thinking and coding skills topics in schools.

On-line Invited Talk

16:15-16:45 Coding to Learn in Project GUTS, *Irene Lee*, (*Massachusetts Institute of Technology (MIT) Scheller Teacher Education Program*)

16:50-17:15 Final discussion and conclusions

Symposium partners: *Linnaeus University, Region Kronoberg, Videum & Swedsoft.*