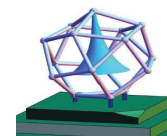




**Sixth Central- and Eastern European Conference on
Computer Algebra- and Dynamic Geometry Systems
in Mathematics Education**

7-10 September, 2016 Targu Mures, Romania



Learning algorithms in technologically and artistically enhanced interactive environments

Abstract: In this talk I am going to give an overview of my research results in promoting algorithmic/ computational thinking for all by introducing them in algorithmics. Some of my topics are:

- Technologically and artistically enhanced multi-sensory algorithmics education.
- Selective hiding for improved algorithmic visualization.
- Intercultural algorithmics education.
- The challenge of promoting algorithmic thinking of both sciences and humanities oriented learners.



Short bio: Dr. Zoltán Kátai started his professional career (1992-) as an informatics teacher in secondary education. Nowadays (2001-) he is an associate professor at Sapientia University (Mathematics and Informatics Department), Targu Mures, Romania. His research includes topics like computer supported-assisted teaching-learning (especially in the field of computer algorithms), dynamic programming and graph theory.

Website: cadgme2016.ms.sapientia.ro

Contact:

Csaba Sárvári, University of Pécs

sarvari.cs@gmail.com

Zsolt Lavicza, University of Cambridge

zl221@cam.ac.uk

Pál Kupán, Sapientia University of Transylvania

kupanp@ms.sapientia.ro