



UNS Faculty of
Sciences, Novi Sad
Trg D.Obradovića 3



Non-Standard Forms of Teaching Mathematics and Physics:
Experimental and Modeling Approach



University of Szeged

Program

VI International Conference of Teaching and Learning mathematics

organized together with

Matematika és Informatika Didaktikai Kutatások

Novi Sad, Faculty of Science,

Department of mathematics and informatics

January 23-25, 2015

	Friday, January 23. 2014
13.30 - 14.30	Registration
14.30 - 14.45	Opening Conference
14:45-15:35	(Place: A1 DMI) Chair: Maksa Gyula, Plenary lecture: Kovács Zoltán , <i>Use of technology in problem solving and building concepts: potentials and pitfalls</i>
15:35-15:50	Coffee break
	(Place: A5 DMI) Chair: Marta Takač
15:50-16:15	Radoslav Božić : <i>A Comparative Analysis of Mathematical Education in Compulsory Education Systems of Serbia, Croatia and Finland</i>
16:15-16:40	Vladimir Francisti : <i>The impact of modern technology on tracking achievements and knowledge of students during primary school</i>
16:40-17:05	Jan Guncaga and Robert Janiga : <i>Web 2.0 Tools in Education</i>
17:05-17:20	Coffee break

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	(Place: A5 DMI) Chair: Aleksandar Takači
17:20-17:45	Kristóf Fenyvesi: <i>Maths, Arts and Games for Digital Natives: Paradox Structures, Impossible Forms and Visual Illusions in Experience-Centered Mathematics Education</i>
17:45-18:10	Marija Radojičić, Slaviša Radović, Dušan Džamić, Miroslav Marić: <i>The influence of technology in inclusive learning: Platform "Završni ispit"</i>
18:10-18:35	Valentina Kostić, Tanja Sekulić: <i>Mathematical Modeling and GeoGebra as Bridge between Natural Sciences and Mathematics</i>
19:00-	Dinner buffet

Saturday, February 7th	
8.00-9.00	Preliminary PHD defence: PhD student: Pellumb Killogjeri GeoGebra in Teaching and Learning Mathematics in Albanian Secondary Schools , University of Debrecen, Hungary Supervisor: Dr. Péter Körtesi , Institute of Mathematics, University of Miskolc, Hungary
9:00-9:50	(Place: A1 DMI) Chair: Đurđica Takači Plenary lecture: Marina Čičin-Šain, Snježana Babić: <i>Cost-effective and efficient programming for everybody</i>
9:50-10:05	Coffee break
	(Place: A1 DMI) Chair: Lajkó Károly
10:05-10:30	Ambrus András: <i>A Kognitív Terhelési Elmélet (Cognitive Load Theory) és a matematikatanulás-tanítás kapcsolata</i>
10:30-10:55	Korenova Lilla: <i>Tanulói kísérletek GeoGebrával és zsineggel</i>
10:55-11:20	Djurdjica Takači - Gordana Stankov - Ivana Milanovic: <i>Research in computer supported collaborative learning of calculus contents</i>
11:20-11:45	Kristóf Fenyvesi, Ilona Oláh Téglási: <i>Adventures on Paper! A new exercise book in English and Serbian for the experience-centered education of mathematics: bookshow by the editors Kristóf Fenyvesi (University of Jyväskylä) and Ilona Oláhné Téglási (Eszterházy College, Eger)</i>
11:45-15:00	Lunch and sightseeing
15:00-15:50	(Place: A1 DMI) Chair: Ambrus András Plenary lecture: Csikos Csaba: <i>Adaptive expertise in mathematical problem solving</i>
15:50-16:05	Coffee break

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	(Place: RC10 DMI) Chair: Arpad Takači
16:05-16:30	Ivana Antić: <i>Educational games in Math classes</i>
16:30-16:55	Natalija Budinski: <i>Mathematical Models of Materials Science in High School Education</i>
16:55-17:20	Branka Radulović, Maja Stojanović: <i>Instructional effectiveness of teaching methods in physics – the case of unit Capillarity</i>
17:20-18:30	POSTER Section
19:00	Dinner Restoran Cikn Tika

Sunday, January, 25th

9.00-9.50	(Place: A1 DMI) Chair : Gordana Stankov Plenary lecture: Arpad Takaci: <i>Mathematical modelling and simulation in teaching</i>
9.50 – 10.05	Coffee Break
	(Place: RC10 DMI)Chair: Jelena Tatar
10:05-10:30	Marina Jokić: <i>Dynamic software in the service of solving mathematical problems</i>
10:30-10:55	Mirjana Jovanović: <i>Mathematical modeling with GeoGebra</i>
10:55-11:20	Duška Pešić: <i>Mathematical modeling in education</i>
11.20 -11.35	Coffee Break
	(Place: RC10 DMI)Chair: Mirjana Mikalački
11:35-12:00	Vajda Robert: <i>Permutation games and computer algebra: How far can we go?</i>
12:00-12:50	Aleksandar Takači, Ivana štajner Papuga, <i>The skills of scientific writing</i>
12.50 – 13.00	<i>Closing Conference</i>

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13-00-14.00	Lunch
14.00-16.00	Round table: Dicsussion about the Conference

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