



Univerza v Ljubljani
Pedagoška fakulteta

PRO MATH 2012

LJUBLJANA

International Conference
Problem Solving in Mathematics Education (ProMath 2012)
Ljubljana, Slovenia

Faculty of Education, University of Ljubljana
Department of Mathematics and Computer Science Education
31 August – 2 September, 2012

Conference programme

Friday, 31 August

13.00 – 14.00	Registration
14.00 – 15.30	<p style="background-color: #f4b084; margin: 0;">Research reports (room 026)</p> <p>Erkki Pehkonen: <i>On Teaching Problem Solving in School Mathematics</i></p> <p>Anu Laine: <i>Third graders' knowledge in mathematics – Comparing Finnish and Chilean results</i></p> <p>András Ambrus: <i>Using mathematical open problems in school reality - Reflections of a practicing teacher</i></p>
15.30 – 16.00	Coffee break
16.00 – 17.30	<p style="background-color: #f4b084; margin: 0;">Research reports (room 026)</p> <p>Liisa Näveri: <i>Connection between teachers' actions and third-graders' performances in arithmetic problem</i></p> <p>Benjamin Rott: <i>Process Regulation in the Problem Solving Processes of Fifth Graders</i></p> <p>Anja Janežič: <i>Problem solving as a learning method for teaching and learning the concept of fractions</i></p>

Saturday, 1 September

9.00 – 10.30	<p style="background-color: #f4b084; margin: 0;">Research reports (room 026)</p> <p>Tatjana Hodnik Čadež: <i>Analysis of solution strategies in solving a problem among primary teacher students and mathematics teacher students</i></p> <p>Gazit Avikam: <i>The function of creativity in the solution of irregular sequence problems among 5th-to-7th grade students as compared with elementary school mathematics teachers and teacher trainees in other disciplines</i></p> <p>Torsten Fritzlar: <i>Student teachers' conceptions of problem oriented teaching – explored and challenged?</i></p>
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10.30 – 11.00	Coffee break
11.00 – 12.30	Research reports (room 026) Vida Manfreda Kolar: <i>Comparison of types of generalisations and problem-solving schemas used in solving a mathematical problem</i> Krisztina Barczy: <i>Some problems in teaching mathematical problem solving (Problem solving from a secondary school Maths teacher's perspective)</i> Jorma Leinonen, <i>Activating teaching method and understanding in problem solving</i>
13.00 – 15.00	Lunch in the city center
16.00 - 18.00	Sightseeing of Ljubljana

Sunday, 2 September

9.00 - 10.00	Research reports (room 026) Bernd Zimmermann: <i>Problem solving in history of mathematics as a stimulus for the creation and development of mathematical concepts</i> Günter Graumann: <i>General aims with working on problems – discussed with three examples</i>
10.00 – 10.15	Coffee break
10.15 – 11.15	Research reports (room 026) László Budai: <i>The development of the problem solving ability in plane-space analogy tasks</i> Zlatan Magajna : <i>Overcoming poor knowledge base obstacle in solving geometry problem</i>

A research report consists of: 10 minutes of presentation + 10 minutes of discussion.