

# 12th mathematics conference in Nitra

## Preliminary conference programme

Start	End	
<b>Thursday, June 19, 2014 (CPU in Nitra)</b>		
8:00	8:50	<b>Welcome Reception and Registration</b> Department of Mathematics Faculty of Natural Sciences Constantine the Philosopher University in Nitra second floor
<b>Plenary Session - room THC 305</b>		
8:50	9:00	<b>Grand Opening</b> prof. RNDr. Ľubomír Zelenický, CSc., dean of FNS CPU in Nitra prof. RNDr. Ondrej Šedivý, CSc., chair of scientific committee
9:00	10:00	<b>Plenary Lecture 1</b>  <b>Prof. RNDr. Ivan Kalaš, PhD.,</b> Department of Informatics Education, Comenius University, Bratislava, Slovak Republic  Lecture: <b>TEACHERS CAUGHT IN THE DIGITAL NET</b>
10:00	11:00	<b>Plenary Lecture 2</b>  <b>Assoc. Prof. RNDr. Mária Kmet'ová, PhD.,</b> Faculty of Natural Sciences Constantine the Philosopher University in Nitra, Nitra, Slovak Republic  Lecture: <b>FROM PROJECTIVE GEOMETRY TO COMPUTER GRAPHICS</b>
11:15	11:30	<b>Coffee Break</b> (Room THC 206)
11:30	12:30	<b>Plenary Lecture 3</b>  <b>Assoc. Prof. Iveta Scholtzová, PhD.,</b> Faculty of Education University of Prešov in Prešov, Prešov, Slovak Republic  Lecture: <b>DETERMINANTS OF PRIMARY MATHEMATICS EDUCATION - A NATIONAL AND INTERNATIONAL CONTEXT</b>
12:30	13:30	<b>Lunch</b> (Hotel River)
13:30	13:45	<b>Coffee Break</b> (Room THC 206)

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		<b>Sessions</b>	
13:45	15:15	<p><b>Session 1</b> (Room THC 212) <b>Chair: Marta Vrábellová</b></p> <p>JAROSLAV BERÁNEK, JAN CHVALINA: On a Certain Group of Linear Second-Order Differential Operators of the Hill -Type</p> <p>MILAN JASEM: On Weak Isometries in Abelian Directed Groups</p> <p>PETER VRÁBEL: Problems with Infinity</p> <p>MAREK VARGA, MICHAELA KLEPANCOVÁ, ANNA HREŠKOVÁ: Notes to Extrema of Functions</p> <p>MÁRIA KÓŠOVÁ, MARTA VRÁBELOVÁ: Statistical Processing of the Posttest Results of 8<sup>th</sup> Grade of Primary School of KEGA 015 UKF – 4/2012 Project</p> <p>EDITA SZABOVÁ, ANNA HREŠKOVÁ, KRISTÍNA CAFIKOVÁ: New Trends in Teaching Statistics</p>	<p><b>Session 2</b> (Room THC 217) <b>Chair: Gabriela Pavlovičová</b></p> <p>LILLA KOREŇOVÁ: The Role of Digital Materials in Developing the Estimation Ability in Elementary and Secondary School Mathematics</p> <p>PETER VANKÚŠ, ANNA MATFIAKOVÁ: Active Methods of Mathematics Education</p> <p>EVA UHRINOVÁ: Qualitative Research of Probability Teaching with Didactic Games</p> <p>RADEK KRPEC: The Development of Combinatorial Skills of the Lower Primary School Pupils through Organizing the Sets of Elements</p> <p>RENÁTA ZEMANOVÁ: Didactic Empathy of Elementary Mathematics Teachers</p> <p>JANKA DRÁBEKOVÁ, SOŇA ŠVECOVÁ, LUCIA RUMANOVÁ: How to Create Tasks from Mathematical Literacy</p>
15:15	15:30	<p><b>Coffee Break</b> (Room THC 206)</p>	
15:30	16:45	<b>Sessions</b>	
		<p><b>Session 3</b> (Room THC 212) <b>Chair: Dušan Vallo</b></p> <p>ONDREJ ŠEDIVÝ, KITTI VIDERMANOVÁ: Solving of Geometrical Problems Using Different Methods</p> <p>MARTIN BILLICH: On Pencils of Linear and Quadratic Plane Curves</p> <p>MICHAELA HOLEŠOVÁ: Selected Geometrical Constructions</p> <p>EDITA SMIEŠKOVÁ, EVA BARCÍKOVÁ: Motivation to Geometry at High School of Visual Arts</p> <p>DUŠAN VALLO, VILIAM ĎURIŠ: Notes on Solution of Apollonius' Problem</p>	<p><b>Session 4</b> (Room THC 217) <b>Chair: Lucia Rumanová</b></p> <p>GABRIELA PAVLOVIČOVÁ, VALÉRIA ŠVECOVÁ, MÁRIA BORČINOVÁ: The Development of the Concepts about Similarity and Ratio in Mathematics Education</p> <p>EVA MOKRÁŇOVÁ: Evaluation of a Questionnaire Concerning Word Problems Creating</p> <p>JANKA MELUŠOVÁ, JÁN ŠUNDERLÍK: Pre-service Teachers' Problem Posing in Combinatorics</p> <p>LUCIA RUMANOVÁ, JÚLIA ZÁHORSKÁ, DUŠAN VALLO: Pupils' Solutions of a Geometric Problem from a Mathematical Competition</p>
17:00		<p><b>Closing Ceremony</b> <b>Social Event</b> (Hotel River)</p>	