

**FACULTY OF EDUCATION**  
**UNIVERSITY OF KRAGUJEVAC**

**3rd International Conference**

**Methodological Aspects of Teaching Mathematics MATM2014**

**June 14th, 2014**

9.00 – 10.00h Arrival and Registration of Participants учесника

10.00 – 10.15h Official Conference Opening Ceremony

10.15 – 11.30h Plenary Session

*Dirk De Bock: Primary school students' illusion of linearity: visiting research and practice in Belgian mathematics education*

*Antal Gálai: What we need to boost efficiency of maths education (some ideas and examples of minimal algorithms, as a possible way of a minimalist approach)*

11.30 – 12.00h Coffee break

12.00 – 13.15h Parallel Sessions

13.15 – 14.00h Lunch

14.00 – 15.15h Parallel Sessions

15.15 – 15.30h Coffee break

15.30 – 17.00h Parallel Sessions

**June 15th, 2014**

9.30 – 10.30h Global Discussion and reports from work group sessions

10.30-11.00h Closing of Conference

# June 14<sup>th</sup>, 2014, Parallel Sessions Schedule

## Room 1

### MATM1

**12.00 – 13.15h (Chairman: Daniel A. Romano, Jasmina Milinković)**

*Daniel A. Romano: Conceptualization of Early Algebra Domain*

*Árpád Fekete: Techniques for teaching probability to elementary students*

*Sanja Maričić, Nenad Milinković: Application of Differentiated Instruction in the Education of Students WHO ARE Potentially Gifted for Mathematics*

*Jasmina Milinković: The method of establishing the mathematical problem by using the transformation of the representation*

*Dragica Milinković: The textbook in the function of the learning contextualisation and teaching mathematics*

*Ibolya Szilágyiné Szinger: Should parents help or how should they do it in solving open sentences (equations, inequations) in lower primary classes?*

### MATM2

**14.00 – 15.15h (Chairman: Tamás Győrfi, Valentina Gogovska)**

*Radojko Damjanović, Marko Slavković, Branislav Popović: Lateral Improvement of Mathematics Teaching – Knowledge Management Approach*

*Đoko Marković: The examples of the application of didactic principle of polyformism in the teaching of mathematics*

*Tamás Győrfi: Applying Imagine Logo in Teaching*

*Valentina Gogovska: Open ended problems as a useful tool in maths teaching*

*Ivan Budimir: Geometrical optical illusions*

### MATM1

**15.30-17.00h (Chairman: Sanja Maričić, Olivera J. Đokić)**

*Milan Živanović: Algebraic identities and oral calculation*

*Olivera J. Đokić: Mathematics textbook and TIMSS 2011 research*

*Sanja Maričić, Krstivoje Špijunović: Education Standards in Planning and Preparing Elementary Mathematics Education from Teachers' Perspective*

*Bojan Radišić, Aleksandra Andrić Radišić: The alternative methods of calculating in teaching mathematics at the beginners level*

*Slaviša Jenjić, Želimir Dragić: Mathematical workshops used in order to popularize the teaching of mathematics to young learners*

*Milikić Milan: Application of audio-visual teaching materials in the basic mathematical terms acquisition*

## Room 2

### MATM5

**11.30 – 13.00h (Chairman: *Alija Mandak, Emina Kopas-Vukašinić*)**

- Alija Mandak, Živorad Milenović: Application of responsible teaching as an innovative didactic-methodical model in initial teaching of mathematics*
- Emina Kopas-Vukašinić: The importance of play for the development of mathematical concepts in pre-school and school children*
- Valerija Pinter Krekić, Mirela Mrđa, Bojan Lazić: Psychological and pedagogical aspects of adopting flexible differentiated model of teaching mathematics*
- Irena Golubović-Ilić, Nataša Vukićević: Role of comparative method in young learners' acquisition of knowledge*
- Aleksandar Ignjatović: Application of elementary games with the use of mathematical tasks*

### MATM3

**14.00 – 15.15h (Chairman: *Zoran Trifunov, Muzafer Saračević*)**

- Zoran Trifunov, Tatjana Atanasova-Pachemska, Sanja Pachemska: Use of free software in mathematics classes and presenting the results of the research*
- Muzafer Saračević: Improving the teaching of mathematics by using the educational PC games, electronic tests and virtual learning environments*
- Slaviša Radović, Miroslav Marić, Ljiljana Golubović: Possibilities of using ICT and eZbirka platform in teaching*
- Branka Arsović: Adaptive learning systems – challenges and possibilities of their application in teaching mathematics*
- Goran Manojlović: Application of Geogebra software in teaching mathematics*

### MATM5 and MATM3

**15.30-17.00h (Chairman: *Živorad Milenović, Branka Arsović*)**

- Sonja Šumonja, Vesna Veličković, Tatjana Šubarević: Visualization of Teaching of Mathematics in Primary School*
- Miloš Đorđević: Complementary Relations of Aesthetics and Teaching Mathematics*
- Sladana Stanković, Sandra Milanović: Possibilities of integrating physical education with mathematics*
- Sandra Milanović, Vesna Milenković, Danica Piršl, Ivana Jovanović: Integration of mathematics and physical education*
- Andrijana Jakovljević, Olivera Cekić-Jovanović: Science and mathematics teaching in the system of cross-curricular connection – teachers' attitudes*
- Tatjana Šubarević, Sonja Šumonja, Vesna Veličković: Mathematics in a new way for the Z-generation kids*