

13th Serbian Mathematical Congress
Vrnjačka banja, May 22–25, 2014

Conference Schedule

Field 5: History, Learning, Teaching of Mathematics and Informatics

May 23, 2014

09:00–11:00 **Plenary lectures**

11:00–11:30 Cofee break

11:30–13:30 Field 5 – Chairman: Đurđica Takači

11:30-12:00

Sergei Abramovich:

Computational experiment approach to pre-college mathematics: Theory, pedagogy, tools

12:00-12:30

Branislav Z. Popović:

The development of teaching trigonometry as a paradigm for the development of mathematics teaching in Serbia in 19th century

12:30-13:00

Žikica Perović:

Continuous Fractions and Calculation of Pi

13:00-13:15

Zevdžo Hurić:

Korelacija matematike i ostalih nastavnih predmeta

13:15-13:30

Miroslav Mladenović:

Primena različitih oblika individualizirane nastave matematike

13:30–15:00 Lunch break

15:00–17:00 Field 5 – Chairman: Žikica Perović

15:00-15:30

Andrej Blejec:

Use of simulated data and dynamic graphics for teaching statistics

15:30-16:00

Ivko M. Dimitrić

Invariant functions and n -to-1 maps

16:00-16:15

Aleksandra Ravas:

The Origins and Beginnings of Probability Theory: Games of Chance, Problem of Points and Correspondence between Pascal and Fermat

16:15-16:30

Biljana Č. Popović:

Teaching Statistics on Faculties of Mathematics in Serbia

16:30-16:45

Vesna Veličković, Sonja Šumonja, Tatjana Šubarević:

Design of Tests for Mathematics in the Moodle system

16:45-17:00

Sonja Šumonja, Tatjana Šubarević, Vesna Veličković:

ICT in the contemporary teaching of Mathematics in high schools

17:15–17:30 Cofee break

17:30–19:00 Field 5 – Chairman: Aleksandar Lipkovski

17:30-18:00

Žikica Perović:

On The Existence of Mathematical Objects

18:00-18:30

Bernd Steinbach, Cristian Posthoff:

Extremely Complex Boolean Problems a Challenge for Mathematics and Informatics

18:30-18:45

Sonja Šumonja, Vesna Veličković, Tatjana Šubarević:

Z-generation is around us. What now?

18:45-19:00

Tanja M. Sekulić:

Implementation of mathematical modeling on introducing the concept of the first derivative

May 24, 2014

09:00–11:00 **Plenary lectures**

11:00–11:30 Coffee break

11:30–13:30 Field 5 – Chairman: Alija Mandak

11:30-12:00

Mileva Prvanović

Od euklidske geometrije ka projektivnoj i natrag

12:00-12:30

Neda Bokan, Tijana Sukilović, Srđan Vukmirović:

Student centered learning - what is it?

12:30-13:00

Đurđica Takači, Radica Karović:

Mathematical modeling in education

13:00-13:30

Daniel Abraham Romano:

What does Exactly Means "Social Implication of Mathematics Education"?

13:30–15:00 Lunch break

15:00–17:00 Field 5 – Chairman: Mileva Prvanović

15:00-15:30

Aleksandar T. Lipkovski:

Šta prvo: Tales ili Pitagora

15:30-15:45 Dragana Stanojević:

Timss matematika 2011

15:45-16:00

Radoje Košanin:

Problems that a teacher in primary school has while applying regular laws in work and the solutions that lead to better results in PISA tests and final exam

16:00-16:15

Valentina Kostić, Đurđica Takači:

Cognitive-visual approach to the teaching topic "Derivative of a function" by applying visualized problems

16:15-16:30

Ljubiša Dinić:

Мере геометријских објеката као граничне вредности у основној школи (проблем уситњавања, нагомилавања-утврђивање границе нагомилавања)

16:30-16:45

Radica Karović, Nikola Živković, Suzana Ivanović:

Metacognitive approach and its modifications in maths classes, primary school

16:45-17:00

Miroslav Marić, Marija Radojčić, Slaviša Radović, Aleksandar Trajko Lipkovski:

Унапређење наставе математике коришћењем платформе „еЗбирка“

17:00-17:30 Coffee break

17:30-17:45

Alija Mandak, Zlatka Pavličić:

Улога проблемских задатака из области квадрата и коцке на развој математичких способности ученика

17:45-18:00

Milan Živanović:

Геометрија и математичко-логичке игре

18:00-18:15

Miroslav Mladenović:

Учење у настави математике откривањем

18:15-18:30

Miroslav Mladenović:

Математички задаци и развој математичког мишљења