# PROGRAMME
## XIX Czech-Polish-Slovak Mathematical Conference
### SPIŠSKÁ KAPITULA, SLOVAKIA
June 5$^{\text{th}}$ – 8$^{\text{th}}$, 2012

**TUESDAY, June 5, 2012**

**15$^{00}$** – **18$^{00}$**     Arrival of participants of Conference

**18$^{00}$**     **Opening Ceremony**

**18$^{30}$**     Dinner

## CONFERENCE HALL 1
### Section: Teacher training theory in Mathematics and Informatics

**WEDNESDAY, June 6, 2012**

**7$^{30}$** – **8$^{30}$**     Breakfast

**8$^{30}$** – **10$^{00}$**     Chair: **Roman Frič**

      1. BELOSLAV RIEČAN – *Integral, integral . . .*

      2. JAN KOPKA – *Interesting number triangulars.*

**10$^{00}$** – **10$^{30}$**     Coffee Break

**10$^{30}$** – **12$^{00}$**     Chair: **Jan Kopka**

      1. MARIÁN TRENKLER – *Geometry of fullerenes – new form of carbon molecules.*

      2. JOSEF MOLNÁR, LUDMILA BENEŠOVÁ, JAKUB TLÁSKAL – *The Tests of Triangles for Age Group between 15–17.*

      3. GRAŻYNA RYGAŁ – *A method of deciphering the complete date of a given event.*

      4. JIŘÍ PŘIBYL, JAN KOPKA, PETR EISENMANN, JIŘINA ONDRUŠOVÁ – *Solving strategy Reformulation of the problem.*

      5. DAVID NOCAR – *Financial Literacy Standard at Elementary School in Czech Republic.*

**12$^{30}$**     **Lunch**

**14$^{00}$** – **15$^{30}$**     Chair: **Josef Molnár**

      1. ROMAN FRIČ – *Notes on random events*

      2. PAVEL TLUSTÝ, RADKA ŠTĚPÁNKOVÁ – *Generalisation of "Collector Problem".*

      3. VLASTIMIL CHYTRÝ – *Games in the maths education.*

      4. KITTI VIDERMANOVÁ, MICHAELA KLEPANCOVÁ – *Students' investigation of Platonic solids - they are really only five.*

**15$^{30}$** – **16$^{00}$**     Coffee Break

**16$^{00}$** – **17$^{30}$**     Chair: **Ján Gunčaga**

      1. ŠTEFAN TKAČIK – *Galileo Galilei: Proof of the law of moment of forces.*

      2. LEONA SALVETOVÁ, JITKA LAITOCHOVÁ – *A contribution to functional thinking.*

      3. JOANNA MAJOR – *The attitude of pupils in response to the mathematical task with insufficient data.*

      4. MACIEJ MAJOR – *Once again on continuous random variable and geometrical probability space.*

**18$^{30}$**     **Grill party** (Banquet)

# Conference Hall 2
## Section: Mathematics and its Applications

**WEDNESDAY, June 6, 2012**

$7^{30}$ – $8^{30}$     Breakfast

$8^{30}$ – $10^{00}$     Morning free time

$10^{00}$ – $10^{30}$     Coffee Break

$10^{30}$ – $12^{00}$     Chair: **Martin Papčo**

     1. Péter Körtesi – *Separation axioms for topological inverse semigroups.*

     2. Miroslav Haviar, Andrew P. K. Craig, Hilary A. Priestley – *Canonical extensions of bounded lattices.*

     3. Jacek Jędrzejewski – *On convergence of sequences of functions.*

     4. Robert Sochacki, Grzegorz Bryll – *Sequences of higher degrees in "mod m" arithmetics.*

$12^{30}$      **Lunch**

$14^{00}$ – $15^{30}$     Chair: **Miroslav Haviar**

     1. Martin Papčo – *On ID-probability.*

     2. Aneta Dadej, Katarzyna Halik – *On B–rings and their properties.*

     3. Ireneusz Krech – *Parrondo's paradox in the Penney Ante games.*

     4. Tomáš Zdráhal – *Some consequences of the Axiom of Choice.*

$15^{30}$ – $16^{00}$     Coffee Break

$16^{00}$ – $17^{30}$     Chair: **Ireneusz Krech**

     1. Dorota Budzik – *Some remarks on monomial difference majorized by given function.*

     2. Grażyna Krech – *On some approximation theorems for Durrmeyer type operators.*

     3. Iwona Tyrala – *The generalization of Lagrange functional equation.*

     4. Anetta Górnicka – *Degrees of completeness and of maximality of the logic $W^d$ dual to the three-valued logic $W$.*

$18^{30}$      **Grill party** (Banquet)

# Conference Hall 1
## Section: Teacher training theory in Mathematics and Informatics

**THURSDAY, June 7, 2012**

$7^{30}$ – $8^{30}$     Breakfast

$8^{30}$ – $10^{00}$     Chair: **Marián Trenkler**

     1. Pavol Kluvánek – *On some operation analysis problems.*

     2. Rastislav Telgársky – *Single-Sensor Multi-Target 3D Tracking in Photon-Counting Ladar Imagery.*

$10^{00}$ – $10^{30}$     Coffee Break

## Subsection A – Conference Hall 1

**$10^{30}$ – $12^{20}$**  Chair: Štefan Tkačik

1. Asuman Duatepe Paksu – *Prospective Teachers Knowledge and Abilities of Symmetry Lines.*
2. Adam Płocki – *6-face polyhedron and die in mathematics for everybody.*
3. Petr Kasal – *The possibilities of using interpolation functions for teaching mathematics.*
4. Věra Ferdiánová, Zuzana Václavíková – *The innovation of a course Introduction to Mathematics.*
5. Radek Horenský, Jaroslav Švrček – *Using invariants and semiinvariants in the solving of mathematical problems.*

## Subsection B – Conference Hall 2

**$10^{30}$ – $12^{20}$**  Chair: **Martin Billich**

1. Lilla Koreňová – *Interactive teaching of mathematics on elementary and secondary schools.*
2. Janka Majherová, Janka Kopáčová – *The development of mathematical skills of students in the contest iBobor.*
3. Alica Kelemenová – *Dual Reset Word Problem.*
4. Pavol Lajčiak – *Use of Linux and Open Source Software in education.*
5. Anna Bednaříková, Hedviga Palásthy – *Use of the programming language Imagine in the visualization of algorithms.*

**$12^{30}$**  **Lunch**

# Conference Hall 1
## Section: Teacher training theory in Mathematics and Informatics

**$14^{00}$ – $15^{30}$**  Chair: **Pavel Tlustý**

1. Daniela Guffová – *Australian mathematics textbooks – the adaptation of the topic Three-dimensional Objects.*
2. Petra Konečná – *Preparation on the teacher's profession in mathematics before 10 years and today.*
3. Ján Šunderlík, Soňa Čeretková, Janka Melušová, Miroslava Sovičová – *Supporting Inquiry Skills through Mathematical Competition B-Day.*
4. Michaela Kaslová – *New obstacle in maths learning.*

**$15^{30}$ – $16^{00}$**  Coffee Break

**$16^{00}$ – $17^{50}$**  Chair: **David Nocar**

1. Dagmar Malinová – *The educational proposal for a pupil with the special ability for mathematics.*
2. Magdalena Janků – *Didactic means and there usage in teaching.*
3. Zuzana Jarošová – *Changes in School-Leaving Exam on Mathematics.*
4. Vladimír Vaněk – *The fractal geometry at secondary school.*
5. Celina Kadej – *Active methods of teaching teachers.*

**$18^{30}$**  **Dinner**

**FRIDAY, June 8, 2012**

| | |
|---|---|
| $7^{30}$ – $8^{30}$ | Breakfast |
| $8^{30}$ – $12^{00}$ | Individual trips |
| $12^{00}$ | **Conference closing** |
| $12^{30}$ | Lunch |
| $14^{00}$ | Departure of participants of Conference |