1st Croatian Conference on Geometry and Graphics
Bjelolasica, 17−21.09.2006

ORGANIZER:
Croatian Society for Geometry and Graphics

CO-ORGANIZERS:
Faculty of Civil Engineering, University of Rijeka
Faculty of Civil Engineering and Architecture, University of Split
Faculty of Civil Engineering, University of Zagreb

SPONSOR:
SAND d.o.o. Zagreb

PROGRAM

SUNDAY, SEPTEMBER 17

17.00−19.00   Registration

19.00−21.00   DINNER

Monday, September 18

7.30− 9.00 Breakfast

9.00− 9.15 Welcome speech
Prof. Tihomir Hunjak, the vice-rector of the University of Zagreb

Morning session - Quality Assurance in Higher Education
(Chairperson: Ž. Milin-Šipuš)

9.15−10.00 Plenary lecture
B. Divjak: *Quality Culture in Higher Education in Croatia*

10.00−10.30 Coffee break

10.30−10.50 I. Babić, M. Katić-Žlepalo: *Reformed Teaching of Descriptive Geometry According to the Bologna Process at the Civil Engineering Dept of Polytechnics of Zagreb*

10.50−11.10 V. Benić, S. Gorjanc: *Basics of Engineering Informatics - New Curriculum at the Faculty of Civil Engineering in Zagreb*

11.10−11.30 Z. Božikov: *Quality Assurance System for Teaching and Learning Process*

11.30−11.50 Pause

11.50−12.10 M. Lapaine: *Geometry in Elementary School Geography*

12.10−12.30 D. Kušar: *The Importance of the Development Spatial Ability at the Process of Creating the Quality Living Environment in Slovenia*

12.30−14.30 Lunch break

Afternoon session (Chairperson: V. Szirovicza)

14.30−15.10 Plenary lecture
O. Röschel: *Local Properties of More-parametric Equiform Spatial Motions*

15.10−15.30 S. Mick: *Remarks on Equiform Motions with Three Circular Paths*

15.30−15.50 J. Szirmai: *Determining the Optimal Hyperball Packings to Regular Prism Tilings in the Hyperbolic n-Space*

15.50−16.10 Z. Erjavec: *2-Associative and 2-Coassociative Hopf Algebra Structures*

16.10−16.40 Pause

16.40−17.20 Plenary lecture
M. Hoffmann: *Moving Central Axonometric Reference Systems*

17.20−17.40 G. Wallner: *Geometry of Real Time Shadowing*

17.40−18.00 A. Bolcskei, B. Szilagyi: *Geodesics and Translation Curves in Sol Geometry*

18.00−18.30 **Poster section**
T. Farkas: *Geometry, Dimensions and Illusions*
B. Szilagyi: *The Translation Curves in Homogeous Geometries*

19.00− 21.00 Dinner

Tuesday, September 19

7.30− 9.00 Breakfast

Morning session (Chairperson: A. Sliepčević)

9.00−9.40 Plenary lecture
E. Molnár: *On Instantaneous Motions in Projective Kinematics*

9.40−10.00 I. Talata: *New Results on the Number of Points at Distance at least 1 in the Unit d-Cube*

10.00−10.20 M. Andrić: *Blocking Sets and Nuclei*

10.20−10.50 Coffee break

10.50−11.30 Plenary lecture
H. Stachel: *Remarks on Higher-Order Rigidity*

11.30−11.50 M. Šimić: *Theorems on Foci and Asymptotes of Conics in the Isotropic Plane*

11.50−12.10 J. Beban-Brkić: *On Gergonne Point of the Triangle in Isotropic Plane*

12.10−14.30 Lunch break

Afternoon session (Chairperson: Z. Božikov)

14.30−15.10 Plenary lecture
E. Tsutsumi: *Frolicking Visual Communication in the Edo Era*

15.10−15.30 N. Sudeta: *The Orthogonal Axonometry Related to the Perspective*

15.30−15.50 K. Jurasić, L. Pletenac: *Evolutoides*

15.50−16.10 E. Jurkin, A. Sliepčević: *Snails in the Hyperbolic Plane*

16.10−16.40 Pause

16.40−17.20 Plenary lecture
M. Szilvási-Nagy: *About Curvatures on Triangle Meshes*

17.20−17.40 N. Blagaić: *Matrix Young Inequalities*

17.40−18.00 I. Stipančić-Klaić: *Modelling Ross Business Rules*

19.00− 21.00 Dinner

Wednesday, September 20

7.30− 9.00 Breakfast

8.45−13.00 Trip to the mountain Klek

13.00−15.00 Lunch at the Sabljaci Lake

17.00− 19.00 Panel discussion
The Role of Visualization in the Reformed Educational Process

20.00− ...... Conference party

Thursday, September 21

7.30− 9.00 Breakfast

Morning session (Chairperson: J. Beban-Brkić)

9.00− 9.40 Plenary lecture
H. Havlicek: *Osculating Tangents of Cayley's Ruled Surface and the Betten-Walker Spread*

9.40−10.00 F. Manhart: *Minimal Surfaces in Minkowski Space*

10.00−10.20 F. Gruber: *The Efficient Design of Developable Surfaces*

10.20−10.50 Coffee break

10.40−11.20 Plenary lecture
D. Velichová: *Generalised Surfaces of Euler Type without Singularities*

11.20−11.40 L. Vörös: *Some Ways to Construct a Symmetric 3-Dimensional Model of the Hypercube*

11.40−12.00 S. Gorjanc, V. Benić: *Special Sextics with Quadruple Line*

12.00−12.15 Closing

12.15− ..... Lunch

Departure