



**12th Scientific-Professional Colloquium of CSGG
Vukovar, 16–20.09.2007**

ORGANIZER:

Croatian Society for Geometry and Graphics

PROGRAM

COMMITTEE:

Maja Andrić, Jelena Beban-Brkić, Zdravka Božikov, Sonja Gorjanc, Ema Jurkin,
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SUNDAY, SEPTEMBER 16

17.00–20.00 Registration

19.00–21.00 DINNER

MONDAY, SEPTEMBER 17

7.30– 9.00 BREAKFAST

Morning session (Chairperson: S. Gorjanc)

9.00– 9.15 OPENING

9.15– 9.55 Plenary lecture

A. Sliepčević : *Über die Trabantkurven der Kegelschnitten*

10.00–10.30 COFFEE BREAK

10.30–10.45 J. Horváth: *Elementare Beweise von Sätzen mit Anwendung der Modelle der hyperbolischen Geometrie*

10.50–11.05 M. Šimić, J. Beban-Brkić: *About the Focus and the Median of a Non Tangential Quadrilateral in Isotropic plane*

11.10–11.25 A. Čučaković, M. Dimitrijević, B. Popkonstantinović: *An Oblique Elliptic Hyperboloid of One Sheet - Task Setting and Constructive Procedure*

11.30–11.50 PAUSE

11.50–12.05 C. Sörös, B. Gajáry-Németh: *Short Introduction to Spatial Ability*

12.10–12.25 D. Kušar: *Geometry and the Architecture of Jože Plečnik*

12.30–14.30 LUNCH BREAK



Afternoon session (Chairperson: J. Beban-Brkić)

- 14.30–15.10 Plenary lecture
G. Weiss: *Fractions, Fractals and other Geometric Miniatures*
- 15.15–15.35 PAUSE
- 15.35–15.50 M. Zichar: *Enhancement of the Fiber Tracking*
- 15.55–16.10 R. Tornai, H. Tomán: *New Visualization Methods in Radiology*
- 16.15–16.30 M. Andrić: *Immersion and Embeddings*
- 16.35–16.55 PAUSE
- 16.55–17.10 T. Došlić: *Secondary Structures and Polygon Dissections*
- 17.15–17.30 A. Bölcskei, T. F. Farkas : *Forms and Systems*
- 17.35–18.00 POSTER SECTION
T. F. Farkas: *Forms and Systems*
- 19.00– 21.00 DINNER

TUESDAY, SEPTEMBER 18

- 7.30– 9.00 BREAKFAST
- 9.00–18.00 Trip to Ilok, visit to surrounding of Vukovar
- 19.00–21.00 DINNER



WEDNESDAY, SEPTEMBER 19

7.30– 9.00 BREAKFAST

Morning session (Chairperson: Z. Božikov)

9.00– 9.40 Plenary lecture

S. Gorjanc, V. Benić: *n th Order Surfaces with $(n - 2)$ -ple Straight Line*

9.45–10.15 COFFEE BREAK

10.20–10.35 T. Schwarcz: *Classification of Central Axonometric Mappings*

10.40–10.55 M. Hoffmann : *The Generalized Gergonne Point and Beyond*

11.00–11.15 B. Jović: *Anaglyph Stereograms*

11.20–11.40 PAUSE

11.40–11.55 G. Glaeser: *Virtual Spaces in Photography*

12.00–12.15 F. Gruber: *Flexible Surface Design*

12.20–12.35 G. Wallner: *Adaptive Mesh Subdivision for Radiosity*

12.40–14.30 LUNCH BREAK

Afternoon session (Chairperson: V. Szivoczka)

14.30–15.10 Plenary lecture

Ž. Milin-Šipuš: *Bäcklund Transformations for Pseudospherical Surfaces in the Galilean Space*

15.15–15.35 PAUSE

15.35–15.50 O. Röschel: *Remarks on Ruled Surfaces with Constant Parameter of Distribution*

15.55–16.10 Z. Kolar-Begović, R. Kolar-Šuper, V. Volenec: *Some Golden Structures in GS-quasigroup*

16.15–16.35 PAUSE

16.35–16.50 L. Pletenac: *Research within Bologna process*

16.55–17.10 M. Pavleković: *The Role of Geometry in the Identification and Motivation of Mathematically Talented Children in Primary School*

17.15–17.30 Á. H. Temesvári: *Elements of the Non-Euclidean Geometry in the Education*

19.30– CONFERENCE PARTY



THURSDAY, SEPTEMBER 20

7.30– 9.00 BREAKFAST

Morning session (Chairperson: A. Sliepčević)

9.00– 9.15 L. Németh: *On the crystal-growing ratio*

9.20– 9.35 R. Kiss-György: *Descriptive Geometry in the Art of Painting - Geometry in the Icons, Space in the Icons*

9.40–9.55 V. Čuljak, B. Ivanković, J. E. Pečarić: *On some Inequalities of Jensen-M.Shane's Type on a Rectangle and Applications*

10.00–10.30 COFFEE BREAK

10.30–10.45 M. Dimitrijević, S. Dimitrijević: *Square and Circle with Identical Areas - Contribution to Approximate Constructions*

10.50–11.05 M. Lep, S. Težak: *Dynamic Analysis of Raster Images and its Use in Transportation Engineering*

11.10–11.25 I. Stipančić-Klaić: *Modelling Ross Business Rules in UML*

11.30–11.45 Closing

12.00– LUNCH

Departure