



11th Scientific and Professional Colloquium of CSCGCG
Hotel Minerva, Varaždinske Toplice, 18–21. 09. 2005

ORGANIZER:

Croatian Society for Constructive Geometry and Computer Graphics

CO-ORGANIZERS:

Faculty of Civil Engineering, University of Rijeka

Faculty of Civil Engineering, University of Zagreb

Faculty of Organization and Informatics, University of Zagreb (Varadin)

SPONSOR:

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Supported by the Ministry of Science, Education and Sports of the Republic of Croatia.

PROGRAM

SUNDAY, SEPTEMBER 18

17.00–19.00 Registration

19.00– ... Opening ceremony

S. Gorjanc: *About Croatian Society for Constructive Geometry and Computer Graphics (CSCGCG)*

WELCOME PARTY



MONDAY, SEPTEMBER 19

7.30–9.00 BREAKFAST

Morning session (Chairperson: Z. Božikov)

9.00–9.45 Plenary lecture

H. Stachel: *Projections and their Reconstruction, a Standard Topic in Descriptive Geometry*

9.45–10.15 COFFEE BREAK

10.15–10.35 H. Schimek, M. Stavrić, A. Wiltsche: *Methods of Representation Course at the University of Technology, Graz - New Media, Classical Construction, Geometrical Freehand Drawing - New Dimension in Geometrical Education*

10.35–10.55 K. Jurasić, L. Pletenac: *Some Examples of Multimedial Tools in Geometry Teaching*

10.55–11.15 V. Szivoczka: *Lehrgang der Darstellenden Geometrie ohne Geometriewerkzeug*

11.15–11.30 PAUSE

11.30–11.50 D. Velichová: *Two-axial Surfaces of Revolution*

11.50–12.10 B. Divjak, Ž. Milin-Šipuš: *Some Mappings Between Surfaces in Cayley-Klein Spaces*

12.10–14.00 LUNCH BREAK

Afternoon session (Chairperson: S. Gorjanc)

14.00–14.45 Plenary lecture

R. A. Górska: *Modern Research on Spatial Abilities - an Overview and New Results*

14.45–15.00 PAUSE

15.00–15.15 L. Żakowska: *The Role of Graphics in Enhancing Spatial Mobility of European Senior Citizens - an International Approach*

15.15–15.35 N. Sudeta, M. Šimić: *Zrcalne slike u perspektivi*

15.35–15.55 S. Duka, M. Pavleković: *Iskustva oko izobrazbe studenata učiteljskih studija za nastavu geometrije u osnovnoj školi*

15.55–16.15 Z. Erjavec, B. Divjak: *Enhancing Mathematics for Informatics (ICT) and its Correlation with Student Pass Rates*

17.00–20.00 Visit to Faculty of Organization and Informatics in Varaždin.
Walk through the city.

20.00– ... DINNER in Park Restaurant in Varaždin, return to Minerva Hotel.



TUESDAY, SEPTEMBER 20

7.30–9.00 BREAKFAST

Morning session (Chairperson: A. Sliepčević)

9.00–9.45 Plenary lecture

E. Molnár: *A 3-dimensional Vector Calculus for the Projective Model of Hyperbolic Plane with Applications*

9.45–10.15 COFFEE BREAK

10.15–10.35 M. Szilvási-Nagy : *C^1 -continuous Coons-type Blending of Triangular Patches*

10.35–10.55 I. Babić, A. Sliepčević: *Karakteristične točke trokuta u H -ravnini*

10.55–11.15 D. Kušar: *Zlatni rez*

11.15–11.30 PAUSE

11.30–11.50 A. Čučaković: *Constructive Procedure for Transformation of Two Generally Collinear Adjusted Spaces Defined by Irregular and Real Autocollinear Tetrahedron*

11.50–12.10 N. Blagaić, Z. Božikov: *O četverodimenzionalnoj deskriptivnoj geometriji*

12.10–13.30 LUNCH BREAK

13.30–14.30 **Annual Assembly of CSCGCG**

14.30–14.45 PAUSE

Afternoon session (Chairperson: J. Beban-Brkić)

14.45–15.30 Plenary lecture

V. Volenec: *New Method for Studying the Isotropic Plane*

15.30–15.45 PAUSE

15.45–16.05 M. Polonijo: *On a Special Class of Parallelogram Quasigroups*

16.05–16.25 Z. Kolar-Begović, R. Kolar-Šuper: *Affine Regular Icosahedron in GS -quasigroups*

16.25–16.45 M. Andrić: *Polinomi u konačnim geometrijama*

17.30–20.00 Walk through Varaždinske Toplice.

20.00– ... CONFERENCE PARTY



WEDNESDAY, SEPTEMBER 21

7.30–9.00 BREAKFAST

Morning session (Chairperson: V. Szivoczka)

9.00–9.45 Plenary lecture

O. Röschel: *CAD-packages and the Icosahedral Group: Patterns and Ornaments*

9.45–10.15 COFFEE BREAK

10.15–10.35 B. Hajsig: *Geometriespaziergang durch Zagreb*

10.35–10.55 J. Beban-Brkić: *The New SAT Test*

10.55–11.15 V. Benić, S. Gorjanc: *webMathematica*

11.35–12.00 PAUSE

12.00–12.30 Closing ceremony

12.30– ... LUNCH

Departure