Organizer:
Croatian Society for Geometry and Graphics

PROGRAM

Program Committee:
Ema Jurkin, Domen Kušar, Boris Odehnal, Jenő Szirmai

Donor:
SAND d.o.o.

Supported by the Ministry of Science and Education of the Republic of Croatia and the Foundation of Croatian Academy of Sciences and Arts.
SUNDAY, SEPTEMBER 5

17.00—19.00 Registration
19.00—21.00 Dinner

MONDAY, SEPTEMBER 6

7.00—9.00 Breakfast

Morning session (Chair: M. Šimić Horvath)

9.00—9.10 Opening

9.10—9.50 Plenary lecture
Pavel Pech: 3D Generalization of Simson–Wallace Theorem on Four Lines

9.55—10.20 Coffee break

10.20—10.35 Boris Odehnal: A Rarity in Geometry: a Septic Curve

10.40—10.55 Daniela Velichová: Equidistant

11.00—11.15 Gunter Weiss: Chains of Hyperosculating Conics

11.20—11.30 Pause


11.50—12.05 Tomislav Došlić: Counting Perfect Stars

12.30—14.00 Lunch
**Afternoon session** (Chair: H. Koncul)

15.00−15.40 Plenary lecture
Iva Kodrnja: *Exploration of Measure*

15.45−16.10 Coffee break

16.10−16.25 Emil Molnár, István Prok, Jenő Szirmai: *Surgeries of Gieseking Manifold via Computer Figures in $C_\infty$ for Hyperbolic Space $H^3$*

16.30−16.45 Arnasli Yahya, Jenő Szirmai: *Visualization of the Optimal Ball and Horoball Packings Related to Coxeter Tilings Generated by Simply Truncated Orthoschemes with Parallel Faces*

16.50−17.05 Zlatko Erjavec: *Generalizations of Killing Vector Fields in Sol Space*

17.10−17.20 Pause

17.20−17.35 Ivana Filipan, Željka Milin Šipuš, Ljiljana Primorac Gajčić, Rafael López: *Involute of Pseudo-Null Curve in Minkowski Space*

17.40−17.55 Ljiljana Primorac Gajčić, Željka Milin Šipuš, Ivana Filipan: *Null Scrolls with Prescribed Curvatures in Lorentz-Minkowski 3-space*

19.00−21.00 Dinner

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**Tuesday, September 7**

7.00−9.00 Breakfast

9.00−19.00 Excursion - Trogir, Klis, Split

19.00−21.00 Dinner
WEDNESDAY, SEPTEMBER 8

7.00—9.00 BREAKFAST

Morning session (Chair: Ž. Milin Šipuš)

9.00—9.40 Plenary lecture
Guenter Maresch: Spatial Thinking

9.45—10.10 Coffee break

10.10—10.25 Blaženka Divjak, Petra Žugec: Reliability Measure of Online Assessment within Mathematics

10.30—10.45 Miklós Hoffmann, László Németh: Is it a Cube?

10.50—11.00 Pause

11.00—11.15 Christian Clemenz, Leonard Weydemann: Reflection Techniques in Real-Time Computer Graphic


11.50—12.05 Ivanka Stipančić Klaić: Faust Vrančić (1551-1617) – the greatest Croatian scientist

12.30—14.00 LUNCH
Afternoon session (Chair: E. Jurkin)

15.00–15.40 Plenary lecture
Sonja Gorjanc: Special Entirely Spherical Surfaces in Euclidean Space

15.45–16.10 Coffee break

16.10–16.25 Hellmuth Stachel: Billiards in Ellipses and Ellipsoids


16.50–17.05 Milena Stavrić, Albert Wiltsche, Gunter Weiss: Polyhedrons whose Faces are Special Quadric Patches

17.10–17.20 Pause

17.20–17.35 Paul Zsombor-Murray: Elliptical Cones, Development & Plumbing

17.40–17.55 Ede Troll: Nonstandard Subdivision Masks

18.00–18.20 Poster session
Zlatko Erjavec, Damjan Klemenčić, Mihaela Laljek: On Killing Magnetic Curves in Hyperboloid Model of SL(2, R) Geometry
Iva Kodrnja: Acrylic Adventures
Helena Koncul, Nino Koncul, Dora Pokaz: Hyperbolic Paraboloid in four “Perspectives”

20.00–24.00 Colloquium dinner
Thursday, September 9

7.00—9.00  Breakfast

Morning session (Chair: Z. Erjavec)

9.00—9.40  Plenary lecture
Georg Glaeser:  Moonstruck – The Interplay of Celestial Bodies in Pictures

9.45—10.10  Coffee break

10.10—10.25  Manfred L. Husty:  Möbius Linkages

10.30—10.45  Otto Röschel:  Affine Regularization of Planar n-gons in a Finite Number of Steps

10.50—11.05  Daniel F. Scharler:  Geometry of Split Quaternion Factorization II

11.10—11.25  Pause

11.25—11.40  Nikolina Kovačević:  Quasi-Hyperbolic Plane $\mathcal{G}(Q\mathbb{H}_2)$ via Geometric Algebra

11.45—12.00  Ema Jurkin:  Curves of Brocard Points in Triangle Pencils in Isotropic Plane

12.05—12.15  Closing

12.30—14.00  Lunch
Departure