

Monday, August 3, 2026

14:00-16:30	registration
16:30-17:30	opening ceremony
17:30-19:30	welcome party

Tuesday, August 4, 2026

9:00-9:50	plenary talk			
9:50 - 10:20	coffee break			
10:20-11:20	TGG 1	AGG 1	GE 1	AGG 2
11:20 - 11:30	short break			
11:30-12:30	TGG 2	AGG 3	GE 2	AGG 4
12:30-14:00	lunch break			
14:00-14:50	plenary talk			
14:50-15:20	coffee break			
15:20-16:40	GGH 1	AGG 5	GE 3	AGG 6
16:40 - 17:00	short break			
17:00-18:30	panel discussion			
18:30-21:00	ISGG Board Meeting			

Wednesday, August 5, 2026

9:00-17:00	excursion
17:00-20:00	
20:00-23:0	conference dinner

Thursday, August 6, 2026

9:00-9:50	plenary talk			
9:50 - 10:20	coffee break			
10:20-11:20	TGG 3	AGG 7	GE 4	ECG 1
11:20 - 11:30	short break			
11:30-12:30	TGG 4	AGG 8	GE 5	ECG 2
12:30-14:00	lunch break			
14:00-14:50	plenary talk			
14:50-15:20	coffee break			
15:20-16:40	TGG 5	AGG 9	GE 6	ECG 3
16:40-16:50	short break			
16:50-18:00	poster session			
18:00-19:30	Meeting of the ISGG Institutional Members and Associated National Organizations			

Friday, Friday 7, 2026

9:00-10:00	GGH 2	AGG 10	GE 7	AGG 12	ECG 4
10:00-10:30	coffee break				
10:30-11:50	GGH 3	AGG 12	GE 8	AGG 13	
	GE	TTG			
11:50 - 12:00	short break				
12:00-13:00	ISGG membership meeting				
13:00-14:00	closing ceremony				

Tuesday, August 4, 2026

9:00-9:50	room: VP, chair: Helena Koncul			
9:50 - 10:20	Kumiko Shiina: <i>What Spatial Tests Measure: A Review of Validity Evidence — Methods, Findings, and Practical Directions</i>			
	coffee break			
	TGG 1, room: 321A Chair: Ema Jurkin	AGG 1, room: 102 Chair: Hiroataka Suzuki	GE 1, room: 421 Chair: Baoling Han	AGG 2, room: 121 Chair: Yasushi Yamaguchi
10:20-10:40	Garcia, Helman, Reznik : <i>Over Poncelet Triangles the Orthocenter and the Isogonal Conjugate of a Fixed Point Sweep Conics</i>	Cirillo : <i>A Laboratory Teaching on the Geometric and Symbolic Language of Adinkra Symbols</i>	Mena-Matos, Cardoso : <i>Drawing in Mathematics Education: A Workshop on Free Images</i>	Roberts, Sudirman, O'Toole, Siekmann : <i>A Bio-Mechanical Basis for Colorectal Pit Pattern Deformation: Visual Bifurcation Analysis through a 4D Hypercube Browser</i>
10:40-11:00	Glaeser : <i>From Keplerian Ellipse Families to the Set of Keplerian Parabolas: A Geometric Transition</i>	Hagen : <i>Infinitesimal Bendings and the Functionality of Surfaces</i>	Minatani, Takaishi, Iwamura : <i>Photo-Based 2.5D Reliefs for Teaching Perspective and Depth to the Visually Impaired</i>	Wang, Jović : <i>Cross-Domain Expressions of the Hierarchical Radial Spatial Organization Model in Floral Morphology, Architectural Space, and Artistic Works</i>
11:00-11:20	Odehnal : <i>The Parallelian Quadrics of a Tetrahedron</i>	Lin, Zheng : <i>Research on Design Methods for Roller Shapes in Roll Straightening Machines</i>	Stancato : <i>Learning from a Complex Simplicity: Case Studies in Reverse Engineering Parametric Designs</i>	Ando, Koyama, Ishii, Yamahata : <i>Superposition and Infinity in M. C. Escher's Prints: A Generative Framework for Architectural Design</i>
11:20 - 11:30	short break			
	TGG 2, room: 321A Chair: Marija Šimić Horvath	AGG 3, room: 102 Chair: Maja Petrović	GE 2, room: 421 Chair: Daiva Makutėnienė	AGG 4, room: 121 Chair: Dina Rochman
11:30-11:50	Odehnal, Clemenz : <i>A Numerical Approach towards Pseudo-Geodesics</i>	Harker : <i>Discrete Variational Method for the Biharmonic Equation and Thin Plate Splines</i>	Xu, Jiang : <i>Exploration and Practice of Curriculum Teaching Reform for New Energy Vehicle Majors under the Concept of "Five-Education Integration"— A Case Study of Mechanical Drawing Course</i>	Sriplan, Yamaguchi : <i>Reproducing Stereopsis for Magnification Illusion in VR</i>
11:50-12:10	Stachel : <i>Geometric Analysis of Bennett's Spherical 8-bar Linkage and its Spatial Counterpart</i>	Matsuura, Sone : <i>Multi-Legged Rotationally Symmetric Figures with Auxetic Sliding Property and Their Block Realizations</i>	Yan, Hu, Yu, Pei, Yu, Zhou : <i>Application of VR-based Graphic Modeling in Teaching Mechanical Design: A Case Study on Complex Structures</i>	Wu, Du, Hao, Yang, Xu, Jović, Wang : <i>Collage and Geometrical Reconfiguration of Holography Embedded in Plastic Archaeology</i>
12:10-12:30	Weiss : <i>From Triangle Geometry to the Geometry of three Skew Lines</i>	Shen, Zhou, Li, Zhu, Ma, Wang : <i>Research on Visual Design of Reflective Holograms in Anti-counterfeiting</i>	Luo, Han, Luo, Fan, Tong : <i>A Preliminary Exploration and Practice of Digital Textbook Construction: A Case Study of the "Mechanical Drawing" Textbook</i>	Cioli, Bertocci, Ferretti : <i>Geometry and Drawing in Franco Zeffirelli's Stage Design. Digital Reconstruction of Turandot's Scenography</i>
12:30-14:00	lunch break			
14:00-14:50	room: VP, chair: Hans-Peter Schröcker			
14:50-15:20	Dan Reznik: <i>Uncovering Beautiful Poncelet Phenomena as a Simulation Engineer</i>			
	coffee break			
	GGH 1, room: 321A Chair: Luigi Cochiarella	AGG 5, room: 102 Chair: Cornelie Leopold	GE 3, room: 421 Chair: Gorana Aras Gazić	AGG 6, room: 121 Chair: Peeraya Sriplan
15:20-15:40	Dzhanabayev, Zhakash, Serik, Umbetov : <i>Historical Roots of the Formation and Development of Geometric-Graphic Knowledge in Central Asia (Eastern Renaissance)</i>	Harker, Handler, Rath : <i>Polynomial Motion Design by the Optimal Control Approach to Trajectory Tracking</i>	Wang, Ning, Wang : <i>Digital Reproduction of Bronze Ware Based on 3D Modeling Software</i>	Stanojević, Jović : <i>Geometric Modeling and Digital Fabrication of Organic Forms: 3D-Printed Biomimetic Structures for Landscape Architectural Design Applications</i>
15:40-16:00	Viana : <i>A Closer Look at 16th-Century Representations of the Dodecahedron and Related Polyhedra from the Albertina Museum Collection</i>	Rochman : <i>From Geometry to Object: the Geometric Tangent in the Construction of Plaster Molds</i>	Hernández, Rochman : <i>Exploration and Integration of Artificial Intelligence Tools in Architectural Ideation by Students at the University of Malaga, Spain</i>	Ohtani, Maruya : <i>Extraction and Recomposition of Urban Impressions by Nonexperts Using Three-Dimensional Assemblages with Optical Illusion Patterns</i>
16:00-16:20	Zaccarias, Moreira : <i>Geometric-Spatial Analysis of Central-plan Buildings with Domes</i>	Miščević, Vasiljević, Obradović : <i>Comparative Analysis of Methodological Approaches to Cultural Heritage Digitization: From Metric Documentation to Neural Rendering</i>	Okada, Okada, Ishihara, Takenouchi, Takeno, Matsuura, Chang : <i>Factors Influencing the Development of Spatial Ability in Taiwanese Middle School Students: Propensity Score Matching Analysis</i>	Kulpińska, Piekarski : <i>Presentation of Virtual Objects in Real Space Using Lights, Shadows, and Optical Devices</i>
16:20-16:40	Kuzembayev, Baidabekov, Bodikov, Tashimov, Kemelbekova, Ermekbaev, Tuleuova : <i>Dialectics of the Development of Graphics</i>	Wang, Wang, Ma, Zhang, Zhang, Li : <i>Holography as A Spatial Narrative Layer in Book Design</i>	Lima, Rocha, Conci : <i>From a Student to Students: A Guide to the Use of Geo Referenced Images in Graphical Analysis for Architectural Design Planning</i>	Cazzaro, Gay : <i>Exploring the Space of the Possible: Morphogenetic Models, Generative Geometry, and AI-Based Form Exploration</i>
16:40 - 17:00	short break			
17:00-18:30	panel discussion: AI in Geometry and Graphics Education room: VP, moderator: Iva Kodrnja penalists: Milena Stavrić, Blaženka Divjak			
18:30-21:00	ISGG Board Meeting room: 121			

Thursday, August 6, 2026

9:00-9:50	room: VP, chair: Liang-Yee Cheng			
9:50 - 10:20	Klara Mundilova: Developability and Deployability: Theory, Design, and Applications of (Semi-)Discrete Conjugate Nets			
	coffee break			
	TTG 3, room: 321A Chair: Boris Odehnal	AGG 7, room: 102 Chair: Maja Andrić	GE 4, room: 421 Chair: Daniela Velichová Dos Santos Dos Santos, Trocado, Breda: <i>From Architectural Form to Torus Topology: A GeoGebra–Maple Workflow for a Valence-3 Partition into Twelve Non-Convex Hexagons</i> Makuteniene, Ovtarenko, Witt, Bragadin, Timinskas: RESURRECT-AiD: An Integrated AR/VR–BIM Framework for Graphics Education in Post-Disaster Heritage Reconstruction	ECG 1, room: 121 Chair: Albert Wiltzsche vanden Broucke, Guo: <i>Differentiable Folding of Polyhedral Nets Without Pairing Priors</i>
10:20-10:40	Pech, Weiss: <i>Möbius versions and a 3D version of Wallace-Simson's Theorem</i>	Leopold: <i>Circle - Inspirations from a Basic Geometric Form in Architecture and Art</i>		
10:40-11:00	Zsombor-Murray, Pfüner: <i>Conics Quadrics Mapping & Cones</i>	Kušar, Volgemut: <i>The Importance of Geometry in the Design of World Exhibition Pavilions</i>		Yasufuku, Takahashi: <i>Data-Driven Visualization and Simulation of Pedestrian Flow in Transit-Oriented Development</i>
11:00-11:20	Manevich, Itskovich: <i>Algebraic Surfaces of Higher Orders with Changing Geometric Basis</i>	Petrović, Štulić, Lazarević, Trifunović, Obradović: <i>Generating Pillowlike Weberian Surfaces with Hexagonal Dispositions of Foci and Directorial Planes</i>	Liva, Ena: <i>Venice on Stage: The Illusion of Italian Baroque Theater</i>	Aschieri, Accogli: <i>Geometric Abstraction of the Subsurface BIM Models: Boundary- and Voxel-Based Soil Object Representations</i>
11:20 - 11:30	short break			
	TTG 4, room: 321A Chair: Ljiljana Primorac Gajčić	AGG 8, room: 102 Chair: Pengfei Zheng	GE 5, room: 421 Chair: Željka Milin Šipuš	ECG 2, room: 121 Chair: Manfred Husty
11:30-11:50	Řada, Velichova, Zambaj: <i>4-D Visualization of Minkowski Quaternionic Point Set Operations</i>	Zhao, Zhou, Liao: <i>VPNet-2D: A Learning-Based Framework for Reconstruction and Repair of Deformations</i>	Fritsche: <i>Drawing Against Cognitive Bias: Let's Distance Ourselves from Drawing from Nature and Task-Oriented Design Toward the 'Interrupted Line Approach' as 'Drawing Against the Grain'</i>	Baturan, Vasiljević, Obradović: <i>Ethical Implications of AI-Based Face and Voice Recreation in Computer Graphics and Film Production</i>
11:50-12:10	Maras, Baird, Lapaine: <i>Symmetry in the Study of Centered Trochoids</i>	Yang, Yang, Hu, Ma, Li, Shi: <i>Cross-Material Design Exploration of Holography</i>	Lille, Reitsnik, Ryabchikov: <i>Semiotics-Assisted Tutoring Completion of Drawings for Communication Engineering Ideas to Undergraduate Students</i>	Yu, Lin, Dong, Liu, Cai, He: <i>A Geometric Projection Approach to Three-Dimensional Boolean Operations</i>
12:10-12:30	Molnár, Szirmai, Yahya: <i>Euclidean and Hyperbolic Manifold and Twice Punctured (Almost) Manifolds with Visualization and Crystallographic Applications</i>	Carvalho, Faria: <i>Spatial Capacity as a Diagnostic Tool: Geometric Modeling and Thematic Cartography for Urban Transformation in Central Niterói, Brazil</i>	Volgemut, Kušar: <i>Shading in Descriptive Geometry as a Pedagogical Core for Developing Visual-Spatial Thinking: An Empirical Study among Architecture Students</i>	Papaz, Ilić, Vujčić: <i>Parametric Urban Analysis to Scenario-Based Design. A Grasshopper Framework Applied to the Česma Peri-Urban Settlement</i>
12:30-14:00	lunch break			
14:00-14:50	room: VP, chair: Aura Conci			
14:50-15:20	Hans-Peter Schröcker: Shapes that Click: Bistability on Quad Combinatorics			
	coffee break			
	TGG 5, room: 321A Chair: Shingo Nakanishi	AGG 9, room: 102 Chair: Matthew Harker	GE 6, room: 421 Chair: Domen Kušar	ECG 3, room: 121 Chair: Biljana Jović
15:20-15:40	Dos Santos Dos Santos, Trocado, d'Azevedo Breda: <i>Certified Topology and Sampling for Torus–Cubic Intersection Curves, via Resultant-Free Methods</i>	Kodrnja, Nevistić: <i>Visualizations of Conjunctions of Outer Planets in the Period 1600-2200 from JPL Horizons Ephemeris Data</i>	Fritsche: <i>Explain Your University Campus to Yourself and Others. Four-Step Themes and Topics Poster in Accordance to Edward R. Tufte's "Envisioning Information"</i>	Caj, Liang, Yu, Yu, Liu, Xiao, He: <i>Research on Geometric Computing Framework Based on Dynamic Ontology</i>
15:40-16:00	Devald, Milin Šipuš: <i>Geodesic Triangles in Lightlike Planes in Three-Dimensional Lorentz-Minkowski Space</i>	Rose: <i>Exploring Sounds of a 3D-Printed Ocarina of Klein</i>	Nessel, Sikorski: <i>Integration of Parametric Design, Geometry, and Physical Model Creation: A Case Study of the "Contemporary Digital Techniques in Architectural Modeling" Course</i>	De Biasio, Borin, Bernardello: <i>Convergent Workflows for Divergent Performances: The Case of the Hyperboloid Cooling Tower</i>
16:00-16:20	Zhao, Nawratil: <i>Higher-Order Flexible Configurations of Planar Parallel Manipulators Constructed by Averaging</i>	Weydemann: <i>Normal-Aware Fiedler Segmentation for Edge Detection in Triangle Meshes using Change-Point Analysis</i>	Li, Lv, Zhao: <i>From Design to Fabrication: Exploring the Beauty of Digital Design from Macro to Micro Scales</i>	Bandeira Teixeira, Amaro Junior, Cheng: <i>An Efficient Particle-to-Mesh Distance Computation for Fluid-Structure Interaction Simulations</i>
16:20-16:40	Giordano, Perticarini: <i>Theoretical Trajectory of the Shapes in Topology</i>	Jović, Živković, Jovetić: <i>Water Lily-Inspired Digital Design for Public Installation</i>	Sun, Steinhauer, Smith, Acevedo, Chandramouli, Zafar: <i>Enhancing Students' Spatial Skills Through Augmented Reality in Engineering Graphics Education: A Work-in-Progress</i>	Zhang, Zhang, Ma, Yang, Dong, Wang: <i>Exploring the Plasticity of Light-Shadow Space in Holography</i>
16:40-16:50	short break			
	poster session, room: 321A Chair: Mateja Volgemut			
16:50-18:00	Jurkin, Volenec, Šimić Horvath: <i>On the Properties of Harmonic Quadrangles in the Isotropic Plane</i> Nakanishi: <i>Various Visualizations about Single, Double, and Triple Equilateral Triangle and Regular Hexagon Spirals Using Similar Metallic Ratios and Related Sequences</i> Božić Dragun, Sliepčević, Kovačević: <i>A Different Perspective on Steiner Deltoid</i> Primorac Gajčić, Filipan, Milin Šipuš: <i>Lightlike Evolutes of Lightlike Curves in the 3-Dimensional Lorentz-Minkowski Space</i> Ikedo, Takenouchi, Hara: <i>Research on Sensing Technology of Estimating Physical Parameters Using the Optical Sensor</i> Tang, Xiao, Chen, Wu: <i>Ideal Tree Modelling for Sympodial Branching of Camellia Oleifera Based on Allometry Growth Law</i> Liu: <i>Research on the Compositional Design and Craft Principles of Traditional Bamboo Weaving Techniques</i> Wu, Tang: <i>Exploration of E-teaching Mode of Engineering Graphics Based on CFAP</i> Perez Castro Larios: <i>Quadrant-Based Modular Construction Methodology: a Cognitive Approach to Isometric Drawing of Solids of Revolution</i> Bátorová: <i>Traditional and Innovative Development of Spatial Imagination: a New Descriptive Geometry Textbook in Slovak</i> Koncul, Koncul: <i>Integrating Parametric Tools in Geometry Education for Civil Engineers: A Grasshopper-Based Approach</i>			
18:00-19:30	Meeting of the ISGG Institutional Members and Associated National Organizations room: 121			

Friday, August 7, 2026

	GGH 2, room: 321A Chair: Vera Viana	AGG 11, room: 102 Chair: Naomi Ando	GE 8, room: 421 Chair: Zlatko Erjavec	AGG 12, room: 121 Chair: Iva Kodrnja	ECG 5, room: 101 Chair: Kensuke Yasufuku
9:00-9:20	Sekimori, Atayasa, Katagiri: <i>Spheres in Architectural Façades Designed by Aldo Rossi within 1978-1993</i>	Suzuki: <i>Design Method for Paper Folding Lampshades using Pythagorean Lattice</i>	Beran, Otrubová: <i>Descriptive Geometry Education through Graduation Theses: A Case Study from a Czech Gymnasium</i>	Kozak, Krivenko: <i>Geometric Modeling of Shells in the Form of Analytical Surfaces in Architectural Education</i>	Zhang, Wang, Tong, Fan, Wang, Liang: <i>From 2D Drawing Annotations to Execution-Ready Engineering Parameters</i>
9:20-9:40	Zhou, Cocchiarella, Wang: <i>An Algorithm-Driven Architectural Design Method: Research on the Parametric Structure and Design Strategies of Ancient Craftsman's Design Guide Book Yingjin</i>	Hanano, Katagiri: <i>Analysis of Original Board Games</i>	Makovnik, Pokorná: <i>3D Pens in Geometry Education: A Tool for Pre-Service Mathematics Teachers</i>	Gao, Nakasa, Kamei: <i>Visualization of Soft Material Gripping Behavior by Protrusions Using a Moving Particle Simulation</i>	Bobić, Vasiljević, Obradović: <i>Comparative Evaluation of NeRF and 3D Gaussian Splatting Integration in Unreal Engine 5 for Cultural Heritage Presentation</i>
9:40-10:00	Nakagawa, Aoyagi, Tajima, Ohta, Katagiri: <i>"Integral Step" in the Architecture designed by Kiko MOZUNA in Kushiro</i>	Zhang, Jović, Ma, Dong, Wang: <i>Display Design Pathways for Transmission Holography in Narrative Immersive Exhibitions</i>	Stavrić, Hoffmann, Wiltzsche: <i>From Toolpath to Taste: Geometry Across Digital and Edible Media</i>	Roth, Hagen, Bartscher, Scheler, Gauger: <i>Image Generation Techniques for Urban Planning</i>	Sun: <i>Multi-View Image Stitching Based on an Improved LoFTR Algorithm</i>
10:00-10:30	coffee break				
	GGH 3, room: 321A Chair: Neda Lovričević	AGG 13, room: 102 Chair: Gunter Weiss	GE 9, room: 421 Chair: Ivana Božić Dragun	AGG 14, room: 121 Chair: Martin Pfurner	
10:30-10:50	Yoshizumi: <i>The Original Concept of Isamu Noguchi's Memorial to the Dead of Hiroshima: The Sculptural Element of Remembrance</i>	Dong, Li, Jović, Li, Wang, Yang: <i>Integrative Design Strategies for Holographic Images in Window Display Geometry</i>	Wang, Zheng, Ning, Wang: <i>Product Design Teaching Case Based on a Graphics Course: Design and Application of a Novel Intelligent Inspection Robot</i>	Li, Liu: <i>Extraction and Analysis of the Time-Frequency Domain Features of Vibration Signals in the Milling Process of Thin-Walled Parts</i>	
10:50-11:10	Romanato: <i>The Unicursal Labyrinth: A Hypothesis of a Sacrificial Trap for the Spirit of the Corn</i>	Dunham, Shier: <i>Creating Geometric Art with Papercrafting</i>	Kuchkarova, Achilova, To'xtayeva: <i>Quantitative Evaluation of the Learning Index of Students in Engineering Graphics</i>	Avella, Pisacane, Argenziano: <i>Towards the Parametric Geometry of Folded Fabrics in Fashion Design. The Case Study of the Pleated Skirt</i>	
11:10-11:30	Chiarenza, Messina: <i>A New Approach to Teaching Descriptive Geometry. Adrien Jullien's Relief Models</i>	Kalantari: <i>Triangulography: Geometric Art from the Triangle Algorithm for Convex Hull Membership</i>	Fan, Tong, Fan, Han: <i>Research on Intelligent Iteration Mechanism of Graphics Digital Textbooks Based on Learning Analytics</i>	Zheng, Wang, Lou, Zhou, He: <i>Solving Geometric Constraints Based on Geometric Computation and Point Models for Graphical Construction</i>	
11:30-11:50	Tulebayeva, Sadykova, Baidabekov, Ashirbaev, Baisengirov: <i>Methods of Teaching the Choice of Façade Materials in Architectural Design</i>	Filipan, Milin Šipuš, Primorac Gajčić: <i>Evolute-Like Curves in the Three-Dimensional Lorentz-Minkowski Space</i>	Daković, Divjak: <i>Learning Analytics in Mathematics: Modelling Assessment and Behavioural Predictors of Student Performance Using Random Forrest</i>	Zhu, Nie, Huang, Ma, Dong, Liu, Wang: <i>Research on the Application of Holography in Visual Science Communication of Microstructures</i>	
11:50 - 12:00	short break				
12:00-13:00	ISGG membership meeting room: VP				
13:00-14:00	closing ceremony room: VP				