

ICEGD 2026

International Conference on Engineering Graphics and Design
Faculty of Civil Engineering and Building Services · Iași, Romania · 11–13 June 2026

— CONFERENCE PROGRAM —

TIME	EVENT	TYPE
DAY 1 Thursday, June 11, 2026		
16:00	Welcome Reception Faculty of Civil Engineering and Building Services — Foyer Light refreshments Networking	SOCIAL
19:00	Dinner	SOCIAL
DAY 2 Friday, June 12, 2026		
08:30	Breakfast Delegate Registration & Badge Collection	BREAK
9:30	Official Opening Ceremony Faculty of Civil Engineering and Building Services — Main Hall Remarks by Organizing Committee & University Leadership	CEREMONY
10:00	Presentation Session I Oral presentations Q&A after each presentation	SESSION
12:00	Coffee Break Refreshments & Networking	BREAK
12:30	Presentation Session II Oral presentations Q&A after each presentation	SESSION
14:00	Lunch Faculty of Civil Engineering and Building Services Dining Hall	BREAK
19:00	Gala Dinner Hotel Zimbru — Banquet Hall Dress code: smart casual Award ceremony included	GALA
DAY 3 Saturday, June 13, 2026		
10:00	Breakfast & Participants' Departure Hotel lobby Luggage storage available	BREAK
11:30	City Tour — Iași Guided tour · Lunch · Recreational Activities Optional activity Meeting point: Faculty of Civil Engineering	TOUR

GENERAL INFORMATION

Venue: Faculty of Civil Engineering and Building Services, Gheorghe Asachi Technical University of Iași, Romania

Registration: Delegate registration desk open from 16:00 on June 11 at the main entrance

Dress Code: Business casual for sessions; Smart casual for Gala Dinner (June 12, 19:00)

Contact: icegd2026@gmail.ro |

Hashtag: #ICEGD2026 | <http://sorging.ro/icegd/>

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International Conference on Engineering Graphics and Design

Faculty of Civil Engineering and Building Services · Iași, Romania · June 12, 2026

— PRESENTATION SESSIONS —

SESSION I 09:30 – 11:30 · Amphitheater IC A1

SECTION 1. Geometry and Graphics: Theory and Applications

TIME	AUTHORS / AFFILIATION	TITLE OF PRESENTATION
09:30	Liviu PRUNĂ, Andrei SLONOVSKI <i>Gheorghe Asachi Technical University of Iași</i>	AI AND THE BASIS OF DESCRIPTIVE GEOMETRY
09:45	Vanda-Ligia DANAILA, Irina IGNATESCU-MANEA <i>Gheorghe Asachi Technical University of Iași</i>	CONSIDERATIONS ON PLOTTING OF SOME PLANE CURVES
10:00	Cristiana GRIGORUȚĂ, Irina IGNĂTESCU-MANEA, Nicolae-Răzvan MITITELU, Lucian-Claudiu GRIGORUȚĂ, Alexandru-Ionuț IRIMIA <i>Gheorghe Asachi Technical University of Iași</i>	GEOMETRIC ACCURACY IN DESCRIPTIVE GEOMETRY: SOURCES OF ERRORS AND OPTIMIZATION METHODS
10:15	Ioana-Roxana VIZITIU-BACIU, Liviu PRUNĂ, Andrei SLONOVSKI, Alexandru-Ionuț IRIMIA, Sebastian George MAXINEASA <i>Gheorghe Asachi Technical University of Iași</i>	INTEGRATING AI-BASED VISUALIZATION WITH TRADITIONAL DESCRIPTIVE GEOMETRY INSTRUCTION
10:30	Ioana-Roxana VIZITIU-BACIU, Cristiana GRIGORUȚĂ, Ionuț Alexandru IRIMIA, Lucian-Claudiu GRIGORUȚĂ <i>Gheorghe Asachi Technical University of Iași</i>	UNDERSTANDING ORTHOGRAPHIC PROJECTIONS IN DESCRIPTIVE GEOMETRY THROUGH THE LIGHT-SHADOW ANALOGY
10:45	Gheorghe BĂRBOS <i>Technical University of Cluj-Napoca</i>	DESCRIPTIVE GEOMETRY IN CIVIL ENGINEERING A BETTER UNDERSTANDING THROUGH PRACTICAL EXAMPLES

SECTION 3. Design and Visualization

11:00	Nicoleta Elisabeta PASCU, George Gabriel GEAMBAȘU, Victor ADÎR, Elena IONIȚĂ <i>National University of Science and Technology Politehnica of Bucharest</i>	THE ADVERTISEMENTS AS “FISHERMEN OF MEN”
11:15	Gabriel George GEAMBAȘU, Nicoleta-Elisabeta PASCU, Victor ADÎR, Elena IONIȚĂ <i>National University of Science and Technology Politehnica of Bucharest</i>	DESIGN ABOUT – THE EVOLUTION OF TRENDS, PRINCIPLES, RULES IN THE FIELD OF DESIGN

SESSION II 12:00 – 13:30 · Amphitheater IC A1

SECTION 3. Design and Visualization

12:00	Victor ADÎR, Gabriel George GEAMBAȘU, Nicoleta-Elisabeta PASCU, Elena IONIȚĂ <i>National University of Science and Technology POLITEHNICA Bucharest</i>	EASY WAY TO DESIGN A LOGO
12:15	Cosmin Gabriel GRADINARU, Nicolae Răzvan MITITELU, Oussama ABDA, Irina IGNĂTESCU-MANEA, Liviu PRUNA <i>Gheorghe Asachi Technical University of Iași</i>	GENERATIVE AI AS A TOOL FOR TRANSFORMING DIGITAL INFORMATION INTO 3D GEOMETRY

SESSION I 09:30 – 11:30 · Amphitheater IC A2**SECTION 2. Engineering and Computer Graphics**

TIME	AUTHORS / AFFILIATION	TITLE OF PRESENTATION
09:30	Carmen MĂRZA, Ana-Maria GRAUR, Georgiana CORSIUC <i>Technical University of Cluj-Napoca</i>	DYNAMIC SHADING SYSTEMS - CONTEXTUAL SOLUTIONS FOR SUSTAINABLE ARCHITECTURE BASED ON ORIGAMI TESSELLATION
09:45	Nicolae Razvan MITITELU, Marius Ionut RÎPANU, Oussama ABDA <i>Gheorghe Asachi Technical University of Iași</i>	INTEGRATING GENERATIVE DESIGN AND FEM IN THE DEVELOPMENT OF OPTIMIZED STRUCTURES FOR AM
10:00	Ioan SZABO, Monica BĂLCĂU, Ancuța JURCO, Adela BORZAN, Calin-Vasile PRODAN, Claudiu-Ioan RUSAN, Vicuța NEAGOȘ and Iacob-Liviu SCURTU <i>Technical University of Cluj-Napoca</i>	THERMAL MANAGEMENT ANALYSIS OF SECOND-LIFE ELECTRIC VEHICLE BATTERIES INTEGRATED INTO PHOTOVOLTAIC ENERGY STORAGE SYSTEMS
10:15	Nicolae Răzvan MITITELU, Marius Ionut RÎPANU, Alexandru Ionut IRIMIA, Cristiana GRIGORUȚĂ, Cosmin Gabriel GRADINARU, Vasile ERMOLAI <i>Gheorghe Asachi Technical University of Iași</i>	A PRACTICAL EVALUATION OF FUSION 360'S AUTO DIMENSION TOOL FOR ENGINEERING DRAWINGS
10:30	Oana NECULAI, Emil BACIU, Ana-Maria TOMA, Irina IGNĂTESCU MANEA <i>Gheorghe Asachi Technical University of Iași</i>	EFFICIENT DESIGN OF LIGHT TIMBER FRAME STRUCTURES USING CADWORK MODELLING
10:45	Ioana-Roxana VIZITIU-BACIU, Liviu PRUNĂ, Andrei SLONOVSKI, Sebastian George MAXINEASA <i>Gheorghe Asachi Technical University of Iași</i>	THE ROLE OF AI-ASSISTED VISUALIZATION TOOLS IN ENGINEERING GRAPHICS EDUCATION
11:00	Gabriela BREZEANU, Petruța PETCU, Ana-Maria NICOLAU <i>National University of Science and Technology POLITEHNICA Bucharest</i>	ARCHITECTURAL SOLUTION FOR THE INTERROGATION OF VULNERABLE PERSONS BASED ON LEGAL PROFESSIONALS' PERSONALITY PROFILES
11:15	Ioana Catalina ENACHE, Florin Felix RADUICA, Oana Roxana CHIVU <i>National University of Science and Technology POLITEHNICA Bucharest</i>	SYSTEMATIC OPTIMIZATION OF A MULTI-MODEL INDUSTRIAL ASSEMBLY LINE THROUGH LINE BALANCING AND SIMULATION

SESSION II 12:00 – 13:30 · Amphitheater IC A2**SECTION 2. Engineering and Computer Graphics**

12:00	Andrei SLONOVSKI, Liviu PRUNĂ, Irina IGNĂTESCU-MANEA, Ioana-Roxana VIZITIU-BACIU <i>Gheorghe Asachi Technical University of Iași</i>	COMPARATIVE STUDY ON THE COMPUTER-AIDED DETERMINATION, USING THE AUTOCAD SOFTWARE, OF THE AREA AND PERIMETER OF A CONTOUR
12:15	Nicușor BAROIU, Georgiana-Alexandra MOROȘANU, Virgil Gabriel TEODOR, Marius-Corneliu GHEONEA <i>"Dunarea de Jos" University of Galati</i>	3D MODELING AND DESIGN OF BEVEL GEAR TRANSMISSION COMPONENTS USING NX AND CATIA
12:30	Ana-Maria NICOLAU, Petruța PETCU <i>National University of Science and Technology POLITEHNICA Bucharest</i>	SMART MODULAR RETRACTABLE USB CABLE DEVICE: AN INTEGRATED FUNCTIONAL AND ECO-DESIGN APPROACH

12:45	Ioana-Roxana VIZITIU-BACIU, Cristina VLĂDOIU, Sebastian George MAXINEASA <i>Gheorghe Asachi Technical University of Iași</i>	AI-ENHANCED BUILDING INFORMATION MODELING: A STATE-OF-THE-ART REVIEW IN THE ARTIFICIAL INTELLIGENCE ERA
13:00	Mamadou Cellou DIOUM, Zakaria EL HAOUZI, Ayoub BEN AHMED, Petruța PETCU, Ana-Maria NICOLAU <i>The National School of Engineering in Tarbes, France</i>	DUALHUB SEATING – MODULAR ERGONOMIC SEATING SYSTEM FOR AMPHITHEATERS
13:15	Irina IGNĂTESCU-MANEA, Vanda-Ligia DĂNĂILĂ, Cristiana GRIGORUȚĂ (BIȘOC) <i>Gheorghe Asachi Technical University of Iași</i>	ERGONOMIC CHALLENGES IN HIGH SCHOOL CLASSROOMS: IMPLICATIONS OF ADOLESCENT ANTHROPOMETRIC VARIABILITY FOR FURNITURE AND WINDOW SILL DESIGN
13:30	Cosmin-Gabriel GRĂDINARU, Vlada ȚISARI, Alexandru-Ionuț IRIMIA, Nicolae Răzvan MITITELU, Vasile ERMOLAI, Gheorghe NAGÎȚ <i>Gheorghe Asachi Technical University of Iași</i>	UNIDIMENSIONAL TOLERANCE CALCULATION METHODOLOGY

SESSION I 09:30 – 11:30 · Room IC2.2**SECTION 4. Education and Teaching Strategies**

TIME	AUTHORS / AFFILIATION	TITLE OF PRESENTATION
09:30	Sergiu DÎNTU, Angela ȘULETEA, Iurie MELNIC, Alexei BOTEZ, Mihail CRIVOI <i>Technical University of Moldova</i>	INTERACTIVE TEXTBOOK FOR ASYNCHRONOUS DISTANCE LEARNING IN DESCRIPTIVE GEOMETRY
09:45	Manuela NECHITA, Liviu Cătălin ȘOLEA <i>Dunarea de Jos University of Galati</i>	DESCRIPTIVE GEOMETRY AND 21ST CENTURY TECHNOLOGICAL REVOLUTIONS
10:00	Alina DUȚĂ, Valentin CORZANU, Sonja KRASIĆ, Andrei CORZANU <i>University of Craiova</i>	FREEFORM MODELLING USING AUTODESK SOLUTIONS AS AN EDUCATIONAL STRATEGY IN TEACHING GEOMETRY
10:15	Corina SOSDEAN, Mircea VODA <i>Politehnica University of Timisoara</i>	USING GENERATIVE AI IN FIRST-YEAR MECHANICAL DESIGN
10:30	Mihaela Rodica CLINCIU, Ramona CLINCIU <i>Transilvania University of Brașov</i>	METHODS FOR DEVELOPING CRITICAL THINKING APPLIED IN TECHNICAL DRAWING
10:45	Ramona CLINCIU, Mihaela Rodica CLINCIU <i>Transilvania University of Brașov</i>	APPLYING EXPERIENTIAL LEARNING THEORY IN TEACHING DESCRIPTIVE GEOMETRY
11:00	Mihaela URDEA, Ramona CLINCIU <i>Transilvania University of Brașov</i>	A SAFETY VALVE MODELLED IN SOLIDWORKS FOR TEACHING SOLIDWORKS AND ASSEMBLY DRAWING
11:15	Zorana JELI, Boris KOSIĆ Jovana ANTIĆ, Aleksandra NIKITVIĆ <i>Belgrade University</i>	BASICS OF COMPUTER 3D MODELING FOR IT STUDY PROGRAM STUDENTS

SESSION II 12:00 – 13:30 · Room IC2.2**SECTION 4. Education and Teaching Strategies**

12:00	Ionel SIMION <i>National University of Science and Technology POLITEHNICA Bucharest</i>	THE IMPORTANCE OF GRAPHICS IN ENGINEERING EDUCATION
12:15	Ana-Maria TOMA, Oana NECULAI, Irina IGNĂTESCU-MANEA <i>Gheorghe Asachi Technical University of Iași</i>	INTEGRATING 3D MODELING INTO TECHNICAL DRAWING EDUCATION FOR THE DEVELOPMENT OF SPATIAL THINKING
12:30	Ludmila SASS, Alina DUȚĂ, Dragoș Laurențiu POPA <i>University of Craiova</i>	EFFICIENT COMMUNICATION IN STUDENT – CONTENT INTERACTION, FOR PROFESSIONAL SUCCESS
12:45	Alexandru-Ionuț IRIMIA, Cristiana GRIGORUȚĂ, Ioana-Roxana VIZITIU – BACIU, Irina IGNĂTESCU-MANEA, Liviu PRUNĂ, Andrei SLONOVSCHI, Ana-Maria TOMA <i>Gheorghe Asachi Technical University of Iași</i>	EDUCATIONAL MODELS FOR REPRESENTING SECTIONS USING FDM TECHNOLOGY
13:00	Alexandru-Ionuț IRIMIA, Vasile ERMOLAI, Cosmin-Gabriel GRĂDINARU, Nicolae-Răzvan MITITELU, Gheorghe NAGÎȚ <i>Gheorghe Asachi Technical University of Iași</i>	NEW METHOD OF REPRESENTING THE TRIPLE ORTHOGONAL PROJECTION OF A LINE USING FDM

NOTES

- Each presentation slot is 15 minutes: 10 min presentation + 5 min Q&A.
- Presenters are requested to submit slides 30 minutes before their session.
- All rooms are equipped with a projector and a laser pointer.