

**Programme of the 7th edition of the
International Conference of Engineering Graphics and Design
Ovidius University of Constanța, ROMÂNIA
26-27 May 2017**

"Ovidius" University of Constanța

**Engineering and Agronomy Faculty from Brăila,
Dunărea de Jos University, Galați,**



under the patronage of Romanian Society of Engineering Graphics – SORGING



with the collaboration of the General Association of the Engineers in Romania (AGIR)

*The event is part of the festivities dedicated to the Poet Ovidius Publius Naso.
The event will host the student scientific contest TehnoNav Junior, dedicated to students and young specialists*



ICEGD 2017	Day 1 (Friday, 26 May), Block B, Bd. Mamaia 124	Day 2 (Saturday, 27 May)
8:30-9:00	Participant registration: second floor.	<p>Visit on the military ship, 9:00 ~ 11:00</p> <p><i>Only preregistered participants will be allowed to enter the military deck!</i></p> <p>Bus embarking between 8:30-8:45, Bd. Mamaia 124, in front of Block B</p> <p><i>Lunch at pub-cold buffet. Drinks not included.</i></p> <p><i>Location: old city, in the vicinity of Tomis Marina, Museum of History, Ovidius Marketplace Kamii(Geamia).</i></p> <p style="text-align: center;">~12:00-...</p> <p>ICEGD 2017 closure</p>
9:00-9:30	Opening, Auditorium B: vice rector prof.dr. Gîrțu Mihai	
9:30-10:30	<p>Key note presentations, Auditorium B</p> <ul style="list-style-type: none"> • Prof. Dr. rer. nat. Siegfried Schmauder, Institut für Materialprüfung, Werkstoffkunde und Festigkeitslehre (IMWF), Universität Stuttgart will present the <i>Advances in Multiscale Simulations</i>. • Claus Pütz, Ph.D., RWTH Aachen University, Germany, <i>How effective elearning can be empowered by intensive inclass cooperation</i>. • Naomi Ando, Ph.D., Hosei University, Tokyo, Japan, <i>The Structure of the City: Europe and Japan - Through a Case Study of a Change of Houses in Kuromon-cho</i> • Ionel Simion, Ph.D., Politehnica University, Bucharest, <i>SORGING and the new academic programs</i>. • Irina Bescuca-Iacob, Head of Financial Office for the National Company - Constanta Maritime Ports Administration, <i>L-SIGN for CIVITAS – PORTIS</i>. 	
10:30-11:00	coffee break, central hall	
11:00-13:00	<p>Section presentations, Block B</p> <p style="text-align: center;">S1,2 – AB1, first floor, S3- Auditorium B, 2nd floor S4,5 Mediatheque (Media) – 3rd floor</p>	
13:00-15:00	Lunch, cafeteria, center of the campus	
15:00 ~17:30	Section presentations AB1, Auditorium B, Media	
20:00 ...	Festive Dinner at the Guest House , address: Aleea Studentilor nr.5, Pescărie-Faleza Nord Students Complex, Constanța (city limit, near Mamaia Resort)	

PROGRAMME OF ICEGD 2017, 26 MAY 2017, SECTION PRESENTATION Section 1: THEORETICAL GEOMETRY AND GRAPHICS Section 2: APPLIED GEOMETRY AND GRAPHICS	NR. TIME	SECTION HALL
Considerations Concerning the Representation of the Intersections of Polyhedra in Various Systems of Representation <i>Dorin BĂRBÎNȚĂ, Claudia PONDICHI-ALB, Cosmin VASILACHE</i>	1 11:00-11:15	1 AB1
The Study of Planes Tangent to the Cylindrical Surfaces <i>Sanda BODEA</i>	2 11:15-11:30	
Aircraft Maintenance Hangar <i>Gabriel-George GEAMBAȘU</i>	3 11:30-11:45	
3D Modeling of Architectural Structure by Photogrammetry Method - A Case Study „Ćele Kula“in Niš <i>Zlata TOŠIĆ, Sonja KRASIĆ, Milica VELJKOVIĆ, Bogdan KOSTIĆ</i>	4 11:45-12:00	
Study on the Projection with Elevations of Helicoid-Type Surfaces <i>Adrian TUDOREANU, Delia DRĂGAN</i>	5 12:00-12:15	
A Case Study of Modelling a Torus in Different Modelling Software <i>Milica VELJKOVIĆ, Sonja KRASIĆ, Petar PEJIĆ, Zlata TOŠIĆ</i>	6 12:15-12:30	
Aspects regarding the Surface Developments of Compound Surfaces <i>Alina Angelica ANGHEL, Vanda Ligia, DĂNĂILĂ</i>	7 12:30-12:45	
Methods to Develop a Toroidal Surface <i>Vanda - Ligia DĂNĂILĂ, Alina – Angelica ANGHEL</i>	8 12:45-13:00	2 AB1
LUNCH 13:00-15:00, Cafeteria		
Geometric Study on Transformations through Symetry in 3D Space <i>Mioara DUCA, Narcisa VALTER, Iulian DUCA</i>	9 15:00-15:15	2 AB1
Method to Develop the Double-Curved Surface of the Roof <i>Ancuța Nadia JURCO, Sanda Mariana BODEA, Horea George CRIȘAN, Iacob-Liviu SCURTU</i>	10 15:15-15:30	
Applying the Theory of the Plane in the Civil Engineering Field <i>Carmen MĂRZA, Georgiana CORȘIUC, Ana Maria GRAUR</i>	11 15:30-16:00	
Aspects regarding the Rotor Blade Geometry <i>Carmen MĂRZA</i>	12 16:00-16:15	
Methods to Helicoidally Surface Representation <i>Iacob-L. SCURTU, Sanda M. BODEA, Ancuța N. JURCO, Horea G. CRIȘAN</i>	13 16:15-16:30	

PROGRAMME OF ICEGD 2017, 26 MAY 2017, SECTION PRESENTATION Section 3: ENGINEERING COMPUTER GRAPHICS	NR. TIME	SECTION HALL
Constructional-Functional Analysis and Graphic Design of Electro-Hydraulic Valve Distributor <i>Nicușor BAROIU, Elena-Felicia BEZNEA, George BASALÎC</i>	15 11:00-11:15	3 Aula B
Graphical Representation of A Hybrid-Air Vehicle Using Catia V5 Software <i>Gabriel Marcel BOGHIAN, Nicușor BAROIU</i>	16 11:15-11:30	
Graphical Reconstruction and FEM Analysis Method for Small Dimensional Functional Parts <i>Barbu BRAUN</i>	17 11:30-11:45	
Front Axle of Mercedes AMG GT. Modelling in Autodesk Inventor <i>Eduard-Narcis COROLENCU, Virgil Gabriel TEODOR</i>	18 11:45-12:00	
Designing an Effective Intersection Using CAD Environment <i>George-Horea CRIȘAN, Sanda Mariana BODEA, Ancuța-Nadia JURCO, Iacob-Liviu SCURTU</i>	19 12:00-12:15	
Modelling and Simulation Matters Upon the Static Analysis of a Building <i>Alina DUTA, Ludmila SASS, Zorana JELI, Gabriel-Catalin MARINESCU</i>	20 12:15-12:30	
Evolution in Technical Drawing for Mechanical Products <i>George GHERGHINA, Dragos TUTUNEA, Dragos POPA</i>	21 12:30-12:45	
Aspects of Obtaining Orthogonal Projections and Intelligent Indicators by Inventor 2016 <i>Adrian Mihai GOANTA</i>	22 12:45-13:00	
LUNCH 13:00-15:00, Cafeteria		
Aspects on 3D Design of Assemblies and Part Lists Customizing With Inventor 2016 <i>Adrian Mihai GOANTA</i>	23 15:00-15:15	3 Aula B
Dacia Logan Live Axle Optimization Using Computer Graphics <i>Andrei KIRÁLY</i>	24 15:15-15:30	
Green Core House <i>Oana NECULAI, Ana-Maria TOMA, Vladimir OPREA, Ioana COȘA</i>	25 15:30-15:45	

PROGRAMME OF ICEGD 2017, 26 MAY 2017, SECTION PRESENTATION Section 3: ENGINEERING COMPUTER GRAPHICS	NR. TIME	SECTION HALL
Application Of Augmented and Virtual Reality in Residential Complex Presentation, Case Study: Energoprojekt Sunnyville <i>Petar PEJIC, Milan LAKICEVIC, Sonja KRASIC, Predrag SIDJANIN</i>	26 15:45-16:00	3 Aula B
New CAD Techniques Used for Virtual Bone Models Applied in Orthopedics <i>D. POPA, F. POENARU, G. GHERGHINA, D. TUTUNEA, B. POPKONSTANTINOVIC</i>	27 16:00-16:15	
Building A Pergola In Cad Systems <i>Liviu PRUNĂ, Andrei SLONOVSKI</i>	28 16:15-16:30	
Nature Gives Us Beauty, Inspiring the Technical Creativity <i>Ludmila SASS, Alina DUȚĂ, Iulian POPESCU</i>	29 16:30-16:45	
Fixturing Device for Drilling a Straight Shaft <i>Florin SUSAC, Valentin TĂBĂCARU, Georgiana-Alexandra COSTIN</i>	30 16:45-17:00	
Studies Regarding the Static Analysis o Truss Structures <i>Mihaela URDEA</i>	31 17:00-17:15	
Managing Parameterized Parts With Variable Cut Dimensions <i>Valentina M. POMAZAN, Eugen PETAC</i>	32 17:15-17:30	

PROGRAMME OF ICEGD 2017, 26 MAY 2017, SECTION PRESENTATION Section 4: INDUSTRIAL DESIGN AND GRAPHIC DESIGN	NR. TIME	SECTION HALL
Strategies for Package Waste Reducing through a Rational and Effective Design <i>Lucian BÂRSAN, Anca BÂRSAN</i>	33 11:00-11:15	4 Media
Kitchen Island Furniture Design for Residential Houses <i>Patricia Isabela BRĂILEANU</i>	34 11:15-11:30	
Interpreting Evolutionary Trends to Understand the Dimensions of Product Design Process <i>Daniel DOBRE</i>	35 11:30-11:45	
Cylindrical Shape in Design <i>Dumitru MARIN, Ligia PETRESCU</i>	36 11:45-12:00	
A Few Considerations About Trade Fair Stands Design <i>Nadina NEIDONI, Mircea BUZDUGAN</i>	37 12:00-12:15	
Virtualization of Airport Operations Framework for a Virtual Environment <i>Ionuț-Cristian PEREDERIC, Ionel SIMION</i>	38 12:15-12:30	
Theoretical Flow Model through a Centrifugal Pump Used for Water Supply in Agriculture Irrigation <i>Fanel Dorel SCHEAUA</i>	39 12:30-12:45	
Turning the Pulsating Flow into Laminar Flow, Reduction / Elimination of Effect of Vacuum, New Constructive Solutions <i>Alexandru Lucian STANCIU</i>	40 12:45-13:00	
LUNCH 13:00-15:00, Cafeteria		
The Role of Industrial Design in the Process of Modernisation of Railway Vehicles <i>Silviu TEODOR-STANCIU</i>	41 15:00-15:15	4 Media
Quasi-accurate Product Quality Assessment Method in Industrial Design <i>Liliana TOCARIU</i>	42 15:15-15:30	
Design Modeling and Analysis of a Wind Turbine Blade Support System <i>Felix RĂDUICĂ, Ionel SIMION</i>	43 15:30-15:45	

PROGRAMME OF ICEGD 2017, 26 MAY 2017, SECTION PRESENTATION Section 5: TEACHING METHODOLOGY	NR. TIME	SECTION HALL
Assessing With Web-Based Technologies The Space Sight Capability Of The Students <i>Raluca NERIȘANU, Cosmin VASILACHE, Delia DRĂGAN</i>	44 15:45-16:00	5 Media
Method For Teaching Graphical Representation of Parts Technical Drawing <i>Ramona CLINCIU</i>	45 16:00-16:15	
Teaching Basic Elements In Technical Drawing – Orthogonal Projections <i>Ramona CLINCIU</i>	46 16:15-16:30	
Students' Approaches On The Geometric Transformations <i>Ana-Maria GRAUR, Georgiana CORSIUC</i>	47 16:30-16:45	
Anaglyph And 3d Model Usage In Education Of Mechanical Engineers <i>Zorana JELI, Branislav POPKONSTANTINOVIC, Misa STOJICEVIC, Ljubomi MILADINOVIC</i>	48 16:45-17:00	
Developing 3d Awareness When Teaching Technical Drafting <i>Felix RĂDUICĂ, Ana RUGESCU</i>	49 17:00-17:15	
Computer Graphical Representation, In Treble Orthogonal Projection, of a Point <i>Andrei SLONOVSKI, Liviu PRUNĂ</i>	50 17:15-17:30	
A New Teaching Method Of Technical Drawing <i>Ana-Maria TOMA, Oana NECULAI</i>	51 17:30-17:45	