

ACCEPTED ABSTRACTS FOR MONGEOMETRIJA 2016

PAPER No.	TITLE	AUTHOR/S	UNIVERSITY	COUNTRY
1.	<i>Jean François Niceron: perspective and artificial magic</i>	Agostino De Rosa	University Iuav of Venezia	ITALY
2.	<i>Reverse fishbone perspective</i>	Dirk Huylebrouck	Faculty for Architecture, KULeuven,	BELGIUM
3.	<i>Visualization and animation of Nil geometry</i>	Emil Molnár Benedek Schultz	Budapest University of Technology and Economics	HUNGARY
4.	<i>A New Approach in Lecture Delivery at the Course on Mechanism Synthesis at the Faculty of Mechanical Engineering, University of Belgrade</i>	Branislav Popkonstantinovic Dragan Petrovic Zorana Jeli Misa Stojićević	Faculty of Mechanical Engineering, University of Belgrade	SERBIA
5.	<i>Event Based Motion Analysis of Escapement Mechanism 3D Model</i>	Branislav Popkonstantinović Ljubomir Miladinović Zorana Jeli Misa Stojićević	Faculty of Mechanical Engineering, University of Belgrade	SERBIA
6.	<i>History of walking machines</i>	Misa Stojićević Miodrag Stoimenov Zorana Jeli Branislav Popkonstantinović	Faculty of Mechanical Engineering, University of Belgrade	SERBIA
7.	<i>Geometrical Forms in Works of Architect Mario Jobst</i>	Olga Timčenko Katarina Jevtić-Novaković Marija Mićović	Aalborg University, Copenhagen, College of Civil Engineering and Geodesy, Belgrade	DENMARK, SERBIA
8.	<i>Procedural modelling tools in architectural education</i>	Ivana Bajšanski Miloš Mandić Bojan Tepavčević	Department of Architecture, University of Novi Sad, Novi Sad	SERBIA
9.	<i>The importance of integrated analysis of students' Work for the development of spatial ability</i>	Domen Kušar Mateja Volgemut	Faculty of Architecture, University of Ljubljana, Ljubljana,	SLOVENIA
10.	<i>3d analysis of geometrical factors and influencing oppising air around satellite dish</i>	Zorana Jeli Branislav Popkonstantinovic Misa Stojicevic Ljubomir Miladinovic	Faculty of Mechanical Engineering, University of	SERBIA

		Rasa Andrejevic	<i>Belgrade</i>	
11.	<i>From parametric modeling to digital Fabrication: folding space structures</i>	Milena Stavric Albert Wiltsche	<i>Graz University of Technology</i>	AUSTRIA
12.	<i>Concept design of a sports coupe with ergonomic analysis and photorealistic rendering</i>	Slavko Risteski Risto Tashevski Tashko Rizov	<i>University "Ss. Cyril and Methodius" Skopje, Skopje</i>	REPUBLIC OF MACEDONIA
13.	<i>The Design Process of a Modern Miner's Helmet with Integration of Safety Needs</i>	Mihajlo Kocevski Risto Tashevski Tashko Rizov Marijan Gavrilovski	<i>University "Ss. Cyril and Methodius" Skopje, Skopje</i>	REPUBLIC OF MACEDONIA
14.	<i>Reflective metal material generation in architectural visualization</i>	Marko Jovanović Dunja Salaj Vesna Stojaković	<i>Department of Architecture and Urban Planning, University of Novi Sad</i>	SERBIA
15.	<i>Applications of the generalized {1, 4} inverse in restoration of blurred images</i>	Vera Miler Jerković Milica Janković Bojan Banjac Branko Malešević Biljana Mihailović	<i>University of Belgrade, School of Electrical Engineering, Belgrade</i> <i>University of Novi Sad, Faculty of Technical Sciences, Novi Sad</i>	SERBIA
16.	<i>Automatic configuration of cityscapes</i>	Naomi Ando	<i>Department of Architecture, Hosei University, Tokyo,</i>	JAPAN
17.	<i>Immersive virtual reality course at the digital production studies</i>	Predrag Šidanin Marko Lazić Ratko Obradović	<i>Faculty of technical sciences, University of Novi Sad</i>	SERBIA
18.	<i>Different models of 3d perspective optical anamorphosis with the "Ames room" effect</i>	Marijana Paunović	<i>Department of Applied Graphic, Faculty of Applied Arts, University of Arts in Belgrade</i>	SERBIA
19.	<i>Inverse perspective in Cézanne's art</i>	Ivana Marcikić Marijana Paunović	<i>Department of Applied Graphic, Faculty of Applied Arts, University of Arts in Belgrade</i>	SERBIA

20.	<i>Application of lattice shells when shaping progressive architecture</i>	Maria Salekh Marina Rynkovskaya	Department of Strength of Materials and Structures, Peoples' Friendship University of Russia	RUSSIA
21.	<i>Symmetry and enantiomorphic forms of twin complex</i>	Vladan Nikolić Ljiljana Radović Biserka Marković	<i>Faculty of Civil Engineering and Architecture, University of Niš Faculty of Mechanical Engineering, University of Niš</i>	SERBIA
22.	<i>Polyhedral forms obtained by combining lateral sheet of CP II-10 and truncated dodecahedron</i>	Marija Obradović	<i>Department of mathematics, physics and descriptive geometry, Faculty of Civil engineering, University of Belgrade,</i>	SERBIA
23.	<i>Composite polyhedral forms obtained by combining concave pyramids of the second sort with Archimedean solids</i>	Marija Obradović Slobodan Mišić	<i>Department of mathematics, physics and descriptive geometry, Faculty of Civil engineering, University of Belgrade,</i>	SERBIA
24.	<i>Geometric Analysis of Turbulent Macrostructure in Jets Laid on Flat Surfaces for Turbulence Intensity Calculation</i>	Olena Gumen Volodymyr Dovhaliuk Viktor Mileikovskiy Olha Lebedieva	<i>Department of descriptive geometry, engineering and computer graphics, National Technical University of Ukraine "Kyiv Polytechnic Institute" Department of Heat Gas Supply and Ventilation, Kyiv National University of Construction and Architecture</i>	UKRAINE

			<i>Kyiv</i>	
25.	<i>Use of the torus in the design of modern architectural structures</i>	Milica Veljković Sonja Krsić Petar Pejić	<i>Department of Visual Communication, University of Niš, Faculty of Civil Engineering and Architecture</i>	SERBIA
26.	<i>Virtual and rapid prototyping methods applied in orthopaedics</i>	Gabriel Buciu Dragos-Laurentiu Popa Dragos Niculescu George Gherghina Calin Daniel Cosmin Dragos Tutunea	<i>Constantin Brancusi University of Targu Jiu; Faculty of Health and Behavioral Sciences, Targu Jiu; Department of Automotive, Transportation and Industrial Engineerings, University of Craiova; University of Medicine and Pharmacy Craiova, Faculty of General Medicine, Craiova; Department of Automotive, Transportation and Industrial Engineerings, University of Craiova; County Emergency Hospital, Craiova</i>	ROMANIA
27.	<i>From The Sketch In Technical Drawing To Digital Mockup In Engineering Education</i>	George Gherghina Dragos Tutunea Dragos-Laurentiu Popa	Department of Vehicles, Transportation and Industrial engineering, University of Craiova	ROMANIA
28.	<i>Digital Geometries: Geometrical Logic in Francesco Borromini's Churches of San Carlino and Sant' Ivo</i>	Gabriella Liva	Department of Architecture and Arts, IUAV University Venice	ITALY

29.	<i>Contemporary approach in traditional architectural project presentation</i>	Petar Pejić Sonja Krasić Milica Veljković Srđan Sakan	<i>Department of Visual Communications University of Niš, Faculty of Civil Engineering and Architecture</i>	SERBIA
30.	<i>Application of engineering graphics in furniture design</i>	Gordana Đukanović Đorđe Đorđević Milorad Janić Vjačeslava Matić	<i>Department of Technology, Management and Design of furniture and wood products, University of Belgrade, Faculty of Forestry, Department of Urbanism, University of Belgrade, Faculty of Architecture</i>	SERBIA
31.	<i>The Presentation Of An Existing City Block Located On Dr Zoran Djindjic Boulevard in Nis By Using Ar Media</i>	Stefan Grcak Stefan Djukic Vukasin Vasić Petar Pejić Sonja Krasić	<i>Department of Architecture, University of Nis, Nis</i>	SERBIA
32.	<i>Civil engineering school portfolio: descriptive geometry (part 2)</i>	Maja Glavaš – Trbić	<i>Civil Engineering School, Belgrade, Serbia</i>	SERBIA
33.	<i>Pixel-Based Focus Evaluation Algorithms With Applications in Visual Impairment Simulation</i>	Veljko B. Petrović Dinu Dragan Dragan Ivetić	<i>Department of Applied Computer Science, Faculty of Technical Sciences, University of Novi Sad</i>	SERBIA
34.	<i>Study regarding the geometry of some connecting pieces for circular ducts</i>	Carmen Mârza Dalia Cîmpean Georgiana Corsiuc	<i>Department of Building Services Engineering, Technical University of Cluj Napoca</i>	ROMANIA
35.	<i>Examples of rapid development of 3d content using windows presentation foundation and helix toolkit</i>	Dinu Dragan Srđan Mihić Dragan Ivetić	<i>Faculty of Technical Science, University of Novi Sad, Novi Sad,</i>	SERBIA

			<i>DOOB Innovation Studio DOO, Novi Sad</i>	
36.	<i>Approaches in solving some tangent problems</i>	Alina Duta Ludmila Sass Gabriel – Catalin Marinescu	<i>Department of Automotive, Transportation and Industrial Engineering, University of Craiova</i>	ROMANIA
37.	<i>Original applications for geometrical equivalence problem</i>	Ludmila Sass Alina Duta Iulian Popescu	<i>Department of Automotive, Transportation and Industrial Engineering, University of Craiova, Romanian Academy of Technical Sciences, Craiova</i>	ROMANIA
38.	<i>Curve fitting by weber's multifocal ellipses in architectural structures geometry</i>	Maja Petrović Bojan Banjac Branko Malešević Radomir Mijailović	<i>Faculty of Transport and Traffic Engineering, University of Belgrade Faculty of Technical Sciences, University of Novi Sad, Novi Sad Faculty of Electrical Engineering, University of Belgrade</i>	SERBIA
39.	<i>Application of geometry in geodetic instruments and Measurement technics</i>	Jovana Maksimović Milica Mirković Ljiljana Brajović Goran Todorović	<i>Faculty of Civil Engineering, University of Belgrade</i>	SERBIA
40.	<i>Development of the transmission tower virtual 3d model for structural analysis in ansys</i>	Emil Veg Mladen Regodić Aleksandra Joksimović	<i>Department for Theory of Machines and Mechanisms, Faculty of Mechanical Engineering, University of Belgrade</i>	SERBIA

41.	<i>Assessment of spatial visualization capability and Precision in geometrical shapes drawing</i>	Aleksandar Trifunović Dragan Lazarević Svetlana Cicevic Marjana Cubranić- Dobrodolac Momčilo Dobrodolac	<i>Faculty of Transport and Traffic Engineering, University of Belgrade</i>	SERBIA
42.	<i>The main movements of the human neck simulations for virtual car crash studies</i>	Stefanita Ciunel Bebe Tica	<i>Department of Automotive and Industrial Engineering, Faculty of Mechanics, University of Craiova</i>	ROMANIA
43.	<i>Comparative studies and analysis of the two types of frames devices for the dummy neck testing system</i>	Stefanita Ciunel Popa Mitroi Gheorghe	<i>Department of Automotive and Industrial Engineering, Faculty of Mechanics, University of Craiova</i>	ROMANIA
44.	<i>Determination of the centroid of pointed ARCHES according to radial stereotomy</i>	Dimitrije Nikolić	<i>Department of Architecture, Faculty of Technical Sciences, University of Novi Sad</i>	SERBIA
45.	<i>Geometric analysis of admissible collapse modes of Gothic arches</i>	Dimitrije Nikolić	<i>Department of Architecture, Faculty of Technical Sciences, University of Novi Sad</i>	SERBIA
46.	<i>Paper strips driven design – application on doubly Curved surfaces</i>	Aleksandar Čučaković Biljana Jović Miloš Tripković	<i>Faculty of Civil Engineering, University of Belgrade;</i> <i>Faculty of Forestry, University of Belgrade,</i>	SERBIA
47.	<i>Shadow shapes of methamorphoses hypercube</i>	Aleksandar Čučaković Biljana Jović Andrea Đukin	<i>Faculty of Civil Engineering, University of Belgrade</i> <i>Faculty of Forestry, University of Belgrade,</i>	SERBIA

48.	<i>Virtual and rapid prototyping methods applied in civil engineering. Snow, wind and earthquake simulations made on a five levels building</i>	Alexandru Dorin Popa Anca Mihaela Mogosanu Dragos-Laurentiu Popa Alina Duta	<i>IREM s.p.a., Craiova, Technical University of Cluj-Napoca Department of Automotive, Transportation and Industrial Engineering, University of Craiova</i>	ROMANIA
49.	<i>A new focus for teaching and learning with descriptive geometry's tutorials through the web</i>	Germán Valencia García	<i>Universidad del Valle, Cali</i>	COLOMBIA
50.	<i>Traditional and digital sculpting in the computer graphic Studies</i>	Ana Perišić Jelena Janev	<i>Faculty of technical sciences, University of Novi Sad</i>	SERBIA
51.	<i>Spatial reconstruction of impossible pictures</i>	László Vörös	<i>Department of Visual Studies, University of Pécs</i>	HUNGARY
52.	<i>Modeling of focal-directorial surfaces For application in architecture</i>	Ljiljana Petruševski Maja Petrović Mirjana Devetaković Jelena Ivanović	<i>Faculty of Architecture, University of Belgrade Faculty of Transport and Traffic Engineering, University of Belgrade</i>	SERBIA
53.	<i>The possibilities of Application of 3d digital models in Cultural heritage object protection and reconstruction</i>	Aleksandar Čučaković Magdalena Dragović Marko Pejić Milesa Srećković	<i>Department of Mathematics, Physics and Descriptive Geometry, Department of Geodesy and Geoinformatics Faculty of Civil Engineering ,University of Belgrade Institute of Physics, Faculty of Electrical Engineering, University of Belgrade</i>	SERBIA

54.	<i>A presentation method of students' assignment in geometry - intersection of two surfaces of second order</i>	Luka Kilibarda Milena Đorđević Julija Momčilović Anastasija Martinenko Magdalena Dragović	<i>Department of Mathematics, Physics and Descriptive Geometry, Faculty of Civil Engineering University of Belgrade</i>	SERBIA
55.	<i>Comparison of two geometric methods for solving cuts and fills along the road on natural terrain</i>	Milica Milošević Vanja Mitrić Mateja Korica	<i>Faculty of Civil Engineering, University of Belgrade</i>	SERBIA
56.	<i>Pedagogic potential of a parametric system based on the Box Packing concept</i>	Mirjana Devetaković Ljiljana Petruševski Jelena Ivanović	<i>Faculty of Architecture, University of Belgrade</i>	SERBIA
57.	<i>Architectural forms of reused buildidngs</i>	Milan Brzaković Aleksandar Milojković Marko Nikolić	<i>Faculty of Civil Engineering and Architecture, University of Niš</i>	SERBIA
58.	<i>Pre production for development of educational 3d Animation according to Vejnovic modification of the Cesarean section technique</i>	Ratko Obradović Tihomir Vejnović Igor Kekeljević Nemanja Višnjevac Mirko Raković Stevan Milatović Aleksandra Vejnović	<i>Faculty of Technical Sciences, University of Novi Sad; Faculty of Medicine, University of Novi Sad</i>	SERBIA
59.	<i>Augmented reality presentation of conceptual design of detached house intended for individual living in Niš</i>	Dimitrije Jovanović Petar Pejić Sonja Krsić	<i>Department of Architecture, University of Nis</i>	SERBIA
60.	<i>On embenddings of a graph into torus and double torus</i>	Zoran Pucanović Aleksandra Erić	<i>Faculty of Civil Engineering, University of Belgrade</i>	SERBIA
61.	<i>Geometric principles perceived in natural structures</i>	Sofija Sidorenko	<i>Sts Cyril and Methodius University, Faculty of Mechanical Engineering, Skopje</i>	MACEDONIA
62.	<i>Central projection: Different applications in architectural design processes. from design to constructive tool</i>	Nevena Radojević	<i>Department of Architecture DiDA, University of Florence</i>	ITALY

63.	Remarks on perspective simplices	Gunter Weiss Hitotaka Ebisui	<i>Institute for Geometry, Univ. of Technology Dresden, German, and Univ. of Technology Vienna, Oval Research Centre, Iwakuni</i>	GERMANY/ AUSTRIA JAPAN
64.	Parametric design in the Vauban's system of fortification	Slobodan Mišić Marija Obradović	<i>Department of mathematics, physics and descriptive geometry, Faculty of Civil engineering, University of Belgrade,</i>	SERBIA
65.	Computer aided curve and surface generation in relativistic geometry of harmonic Equivalents	Marko Jovanović Radovan Štulić Marko Vučić Ivana Bajšanski	<i>Department of Architecture, University of Novi Sad, Novi Sad</i>	SERBIA
66.	Learning Outcomes as a Base for Syllabus Adjustment of the Geometry and Visualization of 3D Space Course	Dejana Neducin, Radovan Stulic, Dimitrije Nikolic	<i>Department of Architecture, University of Novi Sad, Novi Sad</i>	SERBIA
67.	Knots and Some Applications in Architecture	Ljubica S. Velimirović Vladislava M. Stanković	<i>Department of Mathematics, Faculty of Sciences and Mathematics, University of Niš</i>	SERBIA
68.	Plenary lecture	Hellmuth Stachel	<i>Institute of Discrete Mathematics and Geometry Differential Geometry and Geometric Structures, TU Wein</i>	AUSTRIA