

moNGeometrija 2014

Accepted papers

N	author / e-mail	Institution	Topic	Co-authors	acc.
1	Hellmuth STACHEL stachel@dmg.tuwien.ac.at	Institute of Discrete Mathematics and Geometry Vienna University of Technology	The design of the new sun-reflection-dial in Heiligenkreuz/Austria	-	+
2	Naomi Ando n-ando@hosei.ac.jp	Hosei University, Department of Architecture, Faculty of Engineering and Design	A Case Study on the Application of Diagrammatic Plans and 3D Expressions for a House Design	-	+
3	Olena Gumen gumens@ukr.net	National Technical University of Ukraine "Kyiv Polytechnic Institute"	The geometrical approach to calculate momentum correction for non-quasistationary flows with averaging possibility	Viktor Mileikovskiy	+
4	Emil MOLNÁR emolnar@math.bme.hu	Budapest University of Technology and Economics, Department of Geometry	From nothing I have created a new different world	-	+
5	Alina DUTA duta_alina@yahoo.com	Faculty of Mechanics, University of Craiova, Romania	About drawing images in concave mirrors	Ludmila SASS, Dragos-Laurentiu POPA, Gelica STANESCU	+
6	Ludmila SASS	Faculty of Mechanics, University of Craiova, Romania	Applications of geometrical drawing in the popular art from oltenia region-Romania	Alina DUTA, Anca-Mihaela MOGOSANU	+
7	Gherghina George gherghinag@yahoo.com	University of Craiova, Faculty of Mechanics, Craiova, Calea Bucuresti no. 107, Romania	About designing the geometrical shapes of multi body solids	Popa Dragos-Laurentiu, Tutunea Dragos	+
8	Laszlo Voros voros.laszlo@gmail.com	University of Pécs, Pollack M. Faculty of Engineering and Information Technology	Space-filling mosaics of 3D models of 3-13D cubes related to regular and semi-regular polyhedra	-	+
9	Ana Perisic arhitektum@windowslive.com	Fakultet tehnickih nauka Univerzitet u Novom Sadu	Representation of morphological characteristic of space in architecture and urbanism by fly-through animation and simulation	Marko Lazic	+
10	Marija Obradović marijao@grf.rs	Faculty of Civil Engineering, University of Belgrade	Concave pyramids of second sort - the occurrence, types, variations	Slobodan Mišić, Branislav Popkonstantinović	+
11	Slobodan Mišić slobodan@grf.bg.ac.rs	Faculty of Civil Engineering, University of Belgrade	The structural transformation of concave cupolae of IV sort using different variants of constructive procedure	Marija Obradović, Branislav Popkonstantinović	+
12	Dragana Stokić dstokic@agfbl.org	Faculty of Architecture and Civil Engineering, University of Banja Luka	Application of dynamic animations in descriptive geometry teaching	Maja Ilić Magdalena Dragović	+
13	Slobodan Mišić slobodan@grf.bg.ac.rs	Faculty of Civil Engineering, University of Belgrade	The geometric principles of military fortification building in 17th and 18th century <i>odustao</i>	Marija Obradović	-
14	Aca Randelović aca.r.0860.ar@gmail.com	Military academy, Belgrade	Determining the probability of hitting the target points when firing an individual projectile	Olgica Lazarević	+
15	Zorana Jeli zjeli@mas.bg.ac.rs	Faculty of Mechanical Engineering-University of Belgrade	Anaglyph representation in development technical systems	Branislav Popkonstantinovic Goran Lazovic Rasa Andrejevic	+
16	Zorana Jeli zjeli@mas.bg.ac.rs	Faculty of Mechanical Engineering-University of Belgrade	Analysis of educational processes in subject constructive geometry and graphics at the faculty of mechanical engineering	Emil Veg, Branislav Popkonstantinovic Ljubomir Miladinovic	+
17	Nenad Jovanović nelejovanovic@yahoo.com	Faculty of Civil Engineering and Architecture, University of Niš	The Role of 3D Printing in the Making of Models for Haptic perception of Architectural Objects and Complexes	Bojana Anđelković Hristina Krstić	+
18	Djordje Djordjevic konekt@Eunet.rs	Faculty of Architecture, Faculty of forestry, University of Belgrade,	Quantifying the metric-quality of linear object's point-cloud as a function of shooting-distances	Gordana Djukanovic, Dusan Filipovic	+

			and number of camera positions/i.e. shooting-directions		
19	Jelena Milosevic jelena.z.milosevic@gmail.com	Faculty of Architecture, University of Belgrade	Biointerfaces: Studies in bionics and spee structure design	Miodrag Nestorovic	+
20	Sonja Krasic krasic.sonja@gmail.com	Faculty of Civil Engineering and Architecture, University of Niš	Analysis of mapping of rectilinear 2nd degree surfaces by absolute conic in general collinear spaces	Petar Pejić, Nenad Jovanović,	+
21	Dimitrije Nikolić dimitrije.ftn@gmail.com	University of Novi Sad, Faculty of Technical Sciences, Department of Architecture and Urban Planning	A Note on Some Properties of Hyperosculating Circle of Parabola	Ivica Bošnjak Radovan Stulic	+
22	Dimitrije Nikolić dimitrije.ftn@gmail.com	University of Novi Sad, Faculty of Technical Sciences, Department of Architecture and Urban Planning	Spatial Interpretation of Generalized Kappa Curve as the Projection of Oblique Open Helicoid's Contour Line	Radovan Stulic	+
23	Dimitrije Nikolić dimitrije.ftn@gmail.com	University of Novi Sad, Faculty of Technical Sciences, Department of Architecture and Urban Planning	Endpoints of Contour Line of Oblique Helicoid	Radovan Stulic	+
24	Dimitrije Nikolić dimitrije.ftn@gmail.com	University of Novi Sad, Faculty of Technical Sciences, Department of Architecture and Urban Planning	Spatial interpretation of kappa curve as the projection of closed oblique helicoid's contour	Radovan Stulic	+
25	Ivana Bajšanski	University of Novi Sad, Faculty of Technical Sciences, Department of Architecture and Urban Planning	Natural perspective image for architectural design representation	Vesna Stojaković Radovan Štulić	+
26	Tashko Rizov tashko.rizov@mf.edu.mk	University "Ss. Cyril and Methodius" Skopje, Faculty of Mechanical Engineering - Skopje	Technical visualization in the process of vehicle identification using augmented reality	Risto Tashevski	+
27	Huylebrouck Dirk Huylebrouck@gmail.com	Faculty of Architecture, KULeuven, Belgium	500 Years of Melancholia	-	+
28	Vuk Milosevic vukamer@yahoo.com	Faculty of Civil Engineering and Architecture, University of Niš	Changes in geometry of the hyper membrane structures under point loads	Biserka Marković Dragan Kostić	+
29	Olga Timčenko ot@create.aau.dk	Aalborg University Copenhagen, Belgrade Metropolitan University, College of Civil Engineering and Geodesy in Belgrade	Comparison of experiences in teaching 3d modelling and rendering	Radoslav Stojić, Katarina Jevtić- Novaković	+
30	Natasa Teofilovic nnwt.nat@gmail.com	University of Belgrade, Faculty of Architecture, Faculty of Civil Engineering, Faculty of Forestry-Landscape Architecture	3D animation application in Descriptive Geometry Teaching	Aleksandar Cucakovic, Biljana Jovic	+
31	Igor Bjelić igor_bjelic@yahoo.com	University of Niš, Faculty of civil engineering and Architecture	The reverse perspective in images of endowment models of serbian religious buildings in the byzantine freskos	Sonja Krasić Petar Pejić	+
32	Serbianou Bogdan Vasile percon_iasi@yahoo.com	Faculty of Architecture "G.M. Cantacuzino" - iasi Romania	Perspective view of an object in four dimensions	-	-
33	Serbianou Bogdan Vasile percon_iasi@yahoo.com	Faculty of Architecture "G.M. Cantacuzino" - iasi Romania	Anamorphic perspective and the importance of visual illusions in modern architecture	-	-
34	Ksenija Hiel hiel@uns.ac.rs	University of Novi Sad, Faculty of Technical Sciences, Department of Architecture	Connotation of colours in landscape design	Ivana Blagojević	+
35	Aleksandra Milinković hiel@uns.ac.rs	University of Novi Sad, Faculty of Technical Sciences, Department of Architecture	Influence of colour as a design feature on the perception of the architectural object	Jovan Đerić Dijana Apostolović Ksenija Hiel	
36	Bojan Banjac bojan.banjac@uns.ac.rs	Faculty of Electrical Engineering, University of Belgrade, Faculty of Transport and Traffic Engineering, Faculty of Technical Sciences University of Novi Sad	Trifocal curves in matlab and java	Marija Nenezić, Maja Petrović, Branko Malešević, Ratko Obradović	+
37	Branko Malešević malesevic@etf.rs	Faculty of Electrical Engineering, University of Belgrade, Faculty of Transport	A method for extraction of arcs of the algebraic curves	Ivana Jovović, Maja Petrović, Branko Malešević,	+

		and Traffic Engineering		Bojan Banjac Petar Jovanović	
38	Bojana Andjelkovic andjelkovic.bojana.gaf@gmail.com	University of Niš, Faculty of civil engineering and Architecture	Architectural forms of airports	Aleksandar Milojkovic , Hristina Krstić, Petar Pejić	+
39	Branislav Popkonstantinović dr.branislav.pop@gmail.com	Faculty of Mechanical Engineering, University of Belgrade	Geometrical Characteristics and Solid Modeling of the Grasshopper Escapement Mechanism	Ljubomir Miladinović, Marija Obradović Miša Stojčević	+
40	Branislav Popkonstantinović dr.branislav.pop@gmail.com	Faculty of Mechanical Engineering, University of Belgrade	Synthesis, Solid Modeling and Working Simulation of the Moon Phase Clock Mechanism	Ratko Obradovic, Zorana Jeli, Slobodan Mišić	+
41	Maja Petrović majapet@sf.bg.ac.rs	Faculty of Electrical Engineering, University of Belgrade, Faculty of Transport and Traffic Engineering, Faculty of Technical Sciences University of Novi Sad	Geometry of some taxicab curves	Branko Malešević, Bojan Banjac, Ratko Obradović	+
42	Aleksandar Čučaković dim@grf.bg.ac.rs	Faculty of Civil Engineering, University of Belgrade	On Dynamic Spiral Patterns of Polygon Frames Inscribed in Circular Sections of Quadric Surfaces	Magdalena Dragović Svetlana Shambina	+
43	Luka Kilibarda dim@grf.bg.ac.rs	Faculty of Civil Engineering, University of Belgrade	Geometric 3D models of spiral structures inspired by contemporary architecture	Milica Milošević Ljubica Tica Magdalena Dragović	+
44	Dragović Magdalena dim@grf.bg.ac.rs	Faculty of Civil Engineering, University of Belgrade	Application of Dynamic Animations in Descriptive Geometry Teaching	-	-
45	Carmen MĂRZA Carmen.Marza@insta.utcluj.ro	Technical University of Cluj-Napoca, Romania	On the representation of roofs built with thin shells	Delia Dragan	+
46	Ljiljana Radovic ljradovic@gmail.com	Faculty of Mechanical Engineering, University of Nis	Knots in modern sculpture and architecture	Slavik Jablan	+
47	Milica Cvetkovic milicacvetkovic@bb.rs	Faculty of Science and Mathematics, /College of Applied Technical Sciences/, Nis, Serbia	Shape of surfaces analysis	Ljubica Velimirovic, Nikola Velimirovic	+
48	Dusan Petkovic dulep@masfak.ni.ac.rs	Faculty of Mechanical Engineering, University of Nis	Significance of the samples geometry in SCC tests	Goran Radenkovic	+
49	Ninoslav Ćirić ninoslav.ciric89@gmail.com	Faculty of Civil Engineering and Architecture, University of Niš	Effects of cad (computer-aided design) programs on the perception of space within architecture students	-	+
50	Olgica Lazarević olgica.lazarevic@va.mod.gov.rs	Military academy, Belgrade	Determining the speed of hydraulic excavator characteristic points	Vojislav Batinić, Aca Randelović	+
51	Petar Pejić petarpejic@i.ua	University of Niš, Faculty of civil engineering and Architecture	Application of augmented reality in the presentation of existing architectural objects	Sonja Krasic, Bojana Andjelkovic	+
52	Božidar Stamenović wp_silver_wolf@hotmail.com	Faculty of Mechanical Engineering - University of Belgrade	Presses for designing flexible pipes correction, finite elements analysis and preparing "g" code for construction elements of plasma cutter	Branislav Popkonstantinovic Miodrag Stoimenov, Zorana Jeli	-
53	Miša Stojčević mstojicevic87@gmail.com	Faculty of Mechanical Engineering, University of Belgrade	Computational modeling and simulation of walking mechanism	Miodrag Stoimenov, Dragan Petrović Goran Šiniković, Mladen Regodić,	+
54	Miša Stojčević mstojicevic87@gmail.com	Faculty of Mechanical Engineering, University of Belgrade	Simulation of machines for mechanical operation of grapes in winery	Miodrag Stoimenov, Milena Stojković, Uroš Milovančević	
55	Ratko Obradović obrad_r@uns.ac.rs	Faculty of Technical Sciences, Novi Sad,	Dominant pre-exam obligations as a basis for successful students work	Jelena Aleksić Miloš Vujanović	+

		Faculty of Electrical Engineering, Belgrade, Serbia		Branko Malešević, Bojan Banjac, Igor Kekeljević, Miroslav Dimitrijević	
56	Bojan Banjac bojan.banjac@uns.ac.rs	Faculty of Technical Sciences, Novi Sad, Serbia University of Novi Sad, Medical Faculty, Novi Sad, Serbia Institute of Cardiovascular Diseases Vojvodina, Sremska Kamenica, Serbia Faculty of Electrical Engineering J.J. Strossmayer University Osijek, Croatia	3D ground truth heart modeling and visualization based on manually segmented 4D CT slices	Biljana Zlatković Vladimir Zlokolica Lazar Velicki Nada Čemerlić- Adžić Ratko Obradović Irena Galić	+
57	Mila Cvetkovic skitterime@gmail.com	Faculty of Civil Engineering and Architecture, University of Niš	The application of ar media program for the presentation of a house object from the 19 th century, the family home in Jugoviceva street, a case study	-	+
58	Anđela Đokić andjeladjokic93@gmail.com	Faculty of Civil Engineering and Architecture, University of Niš	AR media presentation of a no longer extant object -hotel "Orijent" in Niš, Serbia	-	+
59	Dušica Filipović duskaarhitekta93@gmail.com	Faculty of Civil Engineering and Architecture, University of Niš	Perspective stereoscope images	-	+
60	Maja Glavas-Trbic mglavas6@gmail.com	Civil engineering school, Belgrade	Civil engineering school portfolio - descriptive geometry	-	+
61	Petro Tadeyev ptadeyev@online.ua	National University of Water Managment and Nature Resourses Use, Rivne, Ukraine	Geometric and Computer Modelling of Vector Fields Assotiated to the Stream of Liquid	Olga Kravchuk	+
62	Vladan Nikolic vladan_nikolic@yahoo.com	Faculty of Civil Engineering and Architecture, University of Niš	Maketa u savremenoj arhitektonskoj prezentaciji odustao	Olivera Nikolic Biserka Markovic	-
63	Vladan Nikolic vladan_nikolic@yahoo.com	Faculty of Civil Engineering and Architecture, University of Niš	Basic principles and techniques in post production of the raster images in architectural presentation	Olivera Nikolic Biserka Markovic Ljiljana Radovic	+
64	Dusan Randjelovic randjelovic.dusan.88@gmail.c om	Faculty of Civil Engineering and Architecture, University of Niš	Windows geometry as characteristic of architecture of designed buildings	Hristina Krstic Miomir Vasov	+
65	Dusan Randjelovic randjelovic.dusan.88@gmail.c om	Faculty of Civil Engineering and Architecture, University of Niš	Influence of floor plan geometry and organization in aim to improve designed buildings	Veliborka Bogdanovic Miomir Vasov	+
66	Hristina Krstic hristinaa@hotmail.com	Faculty of Civil Engineering and Architecture, University of Niš	Geometry of golden ratio in architecture	S Krasic P Pejic	+
67	Hristina Krstic hristinaa@hotmail.com	Faculty of Civil Engineering and Architecture, University of Niš	enery eff build odustala	dusan misa sonja	-
68	Ivana Marcikic marcikicivana@yahoo.com	Faculty of Applied Arts, University of Art in Belgrade, Serbia	The space in painting "las meninas" by velázquez	-	+
69	Marijana Paunovic marijanakalabic@yahoo.com	Faculty of Applied Arts, University of Art in Belgrade, Serbia	Optical anamorphoses constructed by the means of orthogonal grids	-	+
70	Alexandru Dima popadragoslaurentiu@yahoo.c om	University of Craiova, Faculty of Mechanics	Computational study of flow around the front wing of a race car	Dragos Tutunea, George Gherghina, Dragos Popa	+
71	Popa Dragos-Laurentiu popadragoslaurentiu@yahoo.c om	University of Craiova, Faculty of Mechanics	The methods and techniques used for the human bones virtual re- construction	Gherghina George, Duta Alina, Tutunea Dragos, Ciunel Stefanita	+
72	Jelena Janev jelena.janev@googlemail.com	Faculty of Technical Sciences, Novi Sad, Serbia University of Novi Sad	Optimisation of real life models using basic geometrical shapes in freehand drawing course in engineering animation studies	Ana Perišić Marko Lazić	+
73	Marko Jovanović	Faculty of Technical Sciences,	Algorithmic approach to origami	-	+

		Novi Sad, Serbia University of Novi Sad	pattern application in architectural design		
74	Miomir Vasov miomir.vasov@gaf.ni.ac.rs	Faculty of Civil Engineering and Architecture, University of Niš	Geometry of interior space of church buildings of medieval Serbian architecture	Veliborka Bogdanović Dušan Randelović Hristina Krstić	+
75	Attila Bölcskei bolcskei.attila@ybl.szie.hu	Szent István University Ybl Miklós Faculty of Architecture and Civil Engineering	Beyond the cone of vision - nonlinear projections and reflections	-	+
76	Gordana Djukanovic gorddana@rcub.bg.ac.rs	Faculty of forestry, Faculty of Architecture, University of Belgrade,	Mapping of the pencils of conics using supersymmetry - inversion of harmonic homology	Djordje Djordjevic Dusan Filipovic Milorad Janic	+
77	Milica Igic	Faculty of Civil Engineering and Architecture, University of Niš	Optical illusions in architecture and urban planning	Željko Blagojević	+
78	Sonja Gorjanc	Faculty of Civil Engineering, Faculty of Mining, Geology and Petroleum Engineering, University of Zagreb Croatia	Visualization of generalized rose surfaces	Ema Jurkin	+
79	Dinu Dragan	Faculty of Technical Sciences, Novi Sad,	Software tool for 2d and 3d visualization of requirement indicators in compression evaluation for pacs	Veljko B. Petrovic Dragan Ivetic	+
80	Petar Pejić petarpejic@i.ua	Faculty of Civil Engineering and Architecture, University of Niš	Application of augmented reality in the presentation of existing architectural objects	Sonja Krasic, Nenad Jovanović,	+