

## Schedule - moNGeometrija 2012

<b>June 22nd</b>			
<b>9.30 Opening Ceremony</b>			
<b>Technical Session 1</b>		<b>Technical Session 2</b>	
11.30	Ksenija Hiel, Derek Fraser <b>The use of geometry in contemporary urban planning</b>	11.30	Tima Segedinac <b>Constructive geometry and tolerance to amending the shadows of digital photography</b>
11.45	Bjelic Igor, Krasić Sonja <b>Significance of digital photogrametry in protection of cultural heritage</b>	11.45	Tugomir Kokelj, Marko Antic <b>Application of descriptive geometry principles to explaining terms and definitions in directing of artillery weapons</b>
12.00	Miomir Vasov, Veliborka Bogdanović, Dušan Randelović <b>Geometrical and arithmetical analysis of architectonic form on the example of a church building</b>	12.00	Katarina Jevtić-Novaković <b>Squaring the circle - painting inspiration</b>
12.15	Vuk Milošević, Vojislav Nikolić <b>The form-force relation in membrane structures</b>	12.15	Radoslav Stojic, Olga Timcenko, Milan Stojic, Ivan Vujic <b>On the teaching and development of virtual reality educational systems</b>
12.30	Vojislav Nikolić, Vuk Milošević <b>Parametric modeling in architectural design</b>	12.30	Milan Šijakov, Jelena Aleksić, Lea Škrinjar <b>Benefits of improved methodological approach to CAD courses</b>
12.45	Dušan Randelović <b>Surface geometry as an impression of contemporary architectonic forms</b>	12.45	Attila Bölcskei, János Katona <b>Efforts in descriptive geometry education and their result</b>
<i>Cofee Break 13-13.30</i>			
<b>Technical Session 1</b>		<b>Technical Session 2</b>	
13.30	Marija Obradović <b>A group of polyhedra arised as variations of concave bicupolae of second sort</b>	13.30	Tashko Rizov, Risto Tashevski <b>Augmented reality in executing practical exercises in engineering graphics</b>
13.45	Marija Obradović, Slobodan Mišić, Maja Petrović <b>Investigating composite polyhedral forms obtained by combining concave cupolae of ii sort with archimedean solids</b>	13.45	Branislav Popkonstantinović, Zorana Jeli, Ratko Obradović <b>The course in product aesthetics at the Faculty of Mechanical Engineering in Belgrade</b>
14.00	Marija Obradović, Branislav Popkonstantinović, Slobodan Mišić <b>Concave antiprisms of second sort with regular polygonal bases</b>	14.00	Ivana Marcikić <b>Geometrical interpretation of the representation of space in the medieval monumental painting</b>
14.15	Gordana Djukanović, Milorad Janić <b>Graphic transformation of `asymmetrical` pencils of conics into pencils of curves of the 4th and 3rd order</b>	14.15	Miloš Vujanović, Jelena Janev, Igor Kekeljević, Ana Perišić, Ana Novaković <b>Practice in applying fine arts subjects at computer graphic – engineering animation studies</b>
14.30	Gordana Djukanović, Milorad Janić, Vjačeslava Matić <b>Graphic transformation of parabolic pencils of circles into pencils of conics and these into pencils of curves of the 3rd or 4th order</b>	14.30	Marijana Kalabić <b>Geometry of anamorphoses with more significations</b>
14.45	Gordana Djukanović, Milorad Janić, Vjačeslava Matić <b>Pencils of curves of the 3rd and 4th order obtained as harmonic equivalents of hh pencils of conics (obtained by the projection of the flat intersection of one-sheeted hyperboloid through its secant)</b>	14.45	Ratko Obradović, Miloš Vujanović <b>New curriculum at the Faculty of Technical Sciences: Computer graphics – engineering animation</b>

<b>June 23rd</b>			
<b>Technical Session 1</b>		<b>Technical Session 2</b>	
9.30	Marija Nenezic, Branko Malesevic <b>Some interactive visuelisations in eletronics signals using program Geogebra</b>	9.30	Hristina Krstić <b>Mathematical fractals and their models</b>
9.45	B. Banjac, B. Malešević <b>One method for graphical representation of implicitly given surface</b>	9.45	Hristina Krstić <b>Fractals in architecture</b>
10.00	Viktor Milejkovskyi <b>Geometrical modelling of semi-bounded curvilinear currents</b>	10.00	Milena Krklješ, Vladimir Kubet, Aleksandra Bandić <b>Typological analysis of squares based ot their geometric shapes – a case study of Novi Sad</b>
10.15	Dinu Dragan, Dragan Ivetic <b>Visualizing multidimensional data in 3d space using Livegraphics3d</b>	10.15	Vladimir Šušić, Biljana Abolmasov, Marija Obradović <b>Development of 3d object model by applying Google Sketchup software package</b>
10.30	Marija Obradović, Branko Malešević, Maja Petrović, Branislav Popkonstantinović <b>One application of the cone surfaces on the Erdős-Mordell inequality</b>	10.30	Miodrag Nestorović, Aleksandar Čučaković, Biljana Jović <b>Contribution to the geometrical analysis of complex space structures</b>
10.45	Zorana Jeli, Mirko Komatina, Branislav Popkonstantinovic, Mladen Regodic <b>Usage of modern graphical 3d presentations in development of technical systems</b>	10.45	Petar Pejić, Sonja Krsić, Olivera Nikolić <b>Creation of architectonic 3d models by contemporary photogrammetry methods</b>
<i>Cofee Break 11-11.30</i>			
<b>Technical Session 1</b>		<b>Technical Session 2</b>	
11.30	Aleksandar Čučaković, Magdalena Dragović <b>Geometric construction method of elliptic hyperboloid of one sheet using it's circular sections</b>	11.30	Katarina Jevtić- Novaković, Gordana Fontana- Giusti <b>Emilijan Josimovic - the first serbian urbanist and...</b>
11.45	Sonja Krsić, Biserka Marković, Petar Pejić <b>Analysis of mapping of hyperboloid of one sheet with the aid of absolute conic in general collinear spaces</b>	11.45	Marina Rynkovskaya, Denis Simo <b>Cylindrical surfaces for social significant architectural projects in Cameroon</b>
12.00	Biserka Marković, Sonja Krsić, Vladan Nikolić <b>Determining the characters of double points of 4th order curve made by the square transformation in affine pencil of conics ih</b>	12.00	Shambina Svetlana, Konstantin Sazonov <b>Application of analytic surfaces and bionic forms in architectural design</b>
12.15	László Vörös <b>Results and experiments in the field of descriptive geometry</b>	12.15	Aleksandra Bandić , Milena Krklješ, Vladimir Kubet <b>Geometric composition of facades of urban landmarks in Novi Sad related to the perception's space</b>
12.30	Emil Molnár, Istvan Prok, Hungary <b>Exterior algebra and higher-dimensional central projection with visibility</b>	12.30	Ana Perišić, Marko Lazić, Predrag Šidjanin <b>Golden ratio proportions of the facades on buildnings in Zmaj Jovina and Dunavska street in Novi Sad</b>
12.45	Dimitrije Nikolić, Radovan Štulić, Predrag Šidjanin <b>Influence of geometrical genesis of deployable structures' elements upon preservation of specific angles</b>	12.45	Vladan Nikolić, Olivera Nikolić, Biserka Markovic <b>Human figure in contemporary architectonic presentation</b>
<i>Cofee Break 13-13.30</i>			

<b>Technical Session 1</b>		<b>Technical Session 2</b>	
13.30	Ljubica Velimirović, Marija Čirić <b>Bending of curves on ellipsoid</b>	13.30	Nikola Lazic, Branko Malesevic <b>Construction of some regular polygons using program Geogebra</b>
13.45	Ljubica Velimirović, Milica Cvetković, Marija Čirić <b>The shape of the bendable surface</b>	13.45	Božidar Stamenović, Goran Srdanović <b>Approach to work and the assignment that arise in working with advanced pupils of secondary mechanical engineering in preparing for the competition, "modeling of machine elements and constructions"</b>
14.00	Vesna Stojaković, Dejana Nedučin, Ivana Marcijuš, Radovan Štulić <b>Importance of visualisation of camera pose recovery in single image-based modelling</b>	14.00	Marija Jevric <b>Some reasons for application of fractal geometry in urban planning</b>
14.15	Ksenija Hiel, Radovan Štulić, Tatjana Kočetov Mišulić <b>Arched timber roofs – perception of applied geometrical forms</b>	14.15	Risto Tashevski <b>Comparison of 4d surfaces defined by two, three and four variables</b>
14.30	Olivera Nikolić, Vladan Nikolić, Petar Pejić <b>The triangular forms of the modern architecture buildings facades</b>	14.30	Yana Kancheva <b>Some peculiarities when drawing broken lines through CAD systems</b>
14.45	Marko Jovanović, Bojan Tepavčević, Lea Škrinjar <b>Influence of origami folding patterns and spatial developability in contemporary architectural design</b>	14.45	Carmen Mârza, Eugenia Duca, Georgiana Corsiuc <b>Graphical, analytical and aesthetic study between air conditioning solutions in large spans</b>
15.00	Lazar Dvornikovic		

### June 24th

10-12 Closing Ceremony

12 Excursion

Novi Sad, June 17, 2012

PhD Ratko Obradović