

*Accompanying program of the 7th International scientific
conference
“moNGeometrija 2020”*



DIMENSIONS REFLECTED

CATALOG

EXHIBITION OF IDEAS, DESIGNS AND MODELS/
IZLOŽBA IDEJA PROJEKATA I MODELA

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AWARDS/ Nagrade

THE MAIN CATEGORY / GLAVNA KATEGORIJA

FIRST AWARD / PRVA NAGRADA: TriX Modular Toy
Vladimir Zagorac

SECOND AWARD / DRUGA NAGRADA: Free-form Circular Mesh System for Concrete 3D Printing
Zlata Tošić, Martin Friedrich Eichenauer, Daniel Lordick and Sonja Krasić

THIRD AWARD / TREĆA NAGRADA: Deltahedral Column Capitals
Marija Obradović

SPECIAL MENTION / POSEBNA POHVALA : Weberian Focal-directorial Surface of Cassini's Type
Marko Vučić, Marko Jovanović, Maja Petrović, Radovan Štulić, Branko Malešević

PERSPECTIVE – the Students and Educational category / Studentska i edukativna kategorija

FIRST AWARD / PRVA NAGRADA: (Word + Flood) x 164
Kazmy Chi Muñoz

SPECIAL MENTION/ POSEBNA POHVALA: Planar Morphing Tessellation
Radmila Durašinović and Marko Jovanović

Contents / Sadržaj

Curator's Foreword Excerpt from the Review	7
Predgovor Kustosa Izvod iz recenzije	8
Main program – DIMENSIONS REFLECTED	
TriX Modular Toy	10
Vladimir Zagorac	
Free-form Circular Mesh System for Concrete 3D Printing	11
Zlata Tošić, Martin Friedrich Eichenauer, Daniel Lordick and Sonja Krasić	
Deltahedral Column Capitals	12
Marija Obradović	
Weberian Focal-directorial Surface of Cassini's Type	13
Marko Vučić, Marko Jovanović, Maja Petrović, Radovan Štulić, Branko Malešević	
Clamshell pavilion	14
Marko Vučić et al.	
Perforated Panel for Daylighting Control	15
Nikoleta Stamenković and Marko Jovanović	
Parametric Modeling of the Church in the Studenica	16
Jelena Bogdanović et al.	
Design of the realized solar race car Emilia 4, for the national Italian team Onda Solare	17
Marko Luković	
Cardboard Design CARTORAMA	18
Tijana Sekulić et al.	
4- and 5-dimensional regular solids move in the computer 2-screen with visibility effects	19
Emil Molnar, István Prok and Jenő Szirmai,	
Parametric Model of a Rectangular Flat Vault	20
Teodora Nikolić et al.	
The Building Phases of Cologne Cathedral and its Predecessors (with a Special on Inner Choir 1856)	21
Dominik Lengyel and Catherine Toulouse	
Phantasms	22
Miljan Stevanović	
Spiraling Sea	23
Iva Kodrnja.	

Contents / Sadržaj

DIMENSIONS REFLECTED - PERSPECTIVE – Students and Educational category

(Word + Flood) x 164	26
Kazmy Chi Muñoz	
Planar Morphing Tessellation	27
Radmila Durašinović and Marko Jovanović	
Galery – Hyperbolic paraboloid	28
Petar Boranijašević	
Ruled Surface Fence	29
Isidora Ristovski and Biljana Branković	
Waterbomb pavilion	30
David Danji and Emeše B. Varga	
Exhibition Space	31
Martin Stojančov	
Module and space	32
Mirjana Milakić et al.	
Shape Design	33
Marijana Paunović	
An additional students' task at Descriptive Geometry	34
Magdalena Dragović et al.	
Hexagonal pavement with attractor based scaling and gradient	35
Aleksandar Lesmajster	
FE Pavilion	36
Uroš Antić	
About the Selection Committee	37

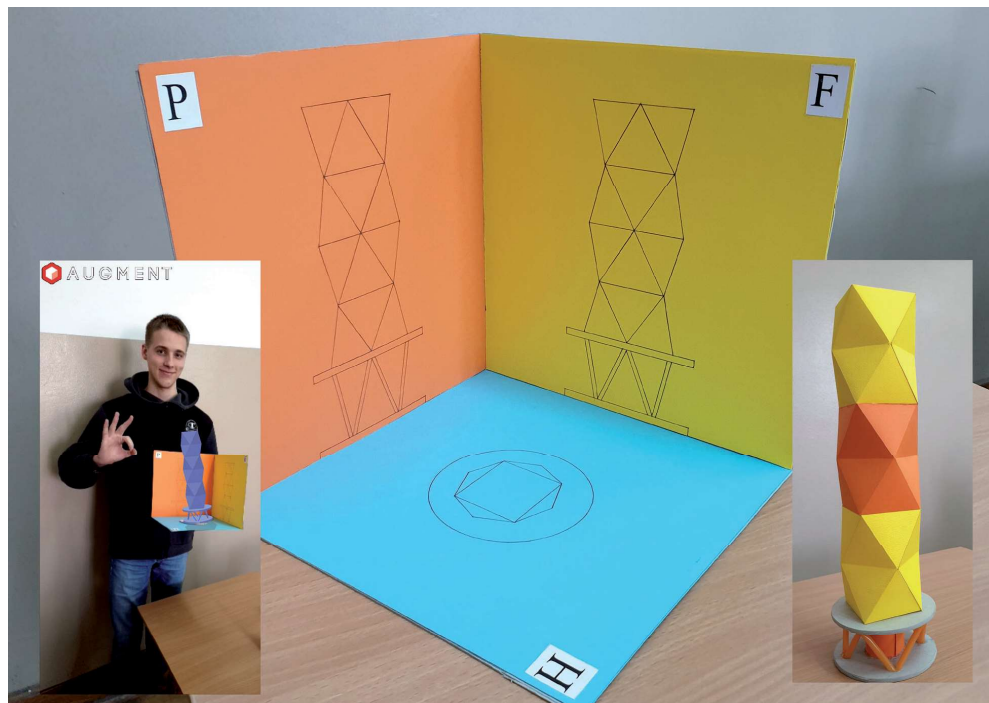
An Additional Students' Task at Descriptive Geometry

At the Faculty of Civil Engineering, University of Belgrade, beside the obligatory forms of lectures and exercises, freshmen students have the opportunity to widen their practical experience in application of geometric knowledge, gained at Descriptive Geometry course, through non obligatory workshop. It was organized at the Faculty classrooms during two days, such that a group of students (three students) works on a creative geometry task, within given conditions. Starting from free choice of an existing or imagery type of architectural structure (a whole building or its roofing structure) students should provide its geometric interpretation of orthogonal projections on a 3D physical model of coordinate system - 1; 3D model in Auto-CAD software (the alternative is cardboard model) - 2; presentation of a structure in 3D augmented reality application "Augment" - 3; visual appearance of a structure in architecture/design (a photo image) -4; poster summary of the sub-tasks - 5. The satisfactory completion of a task would enable a student to get higher grade in the final exam at Descriptive geometry course.

Based on the results of additional questionnaire administered to the participants at the end of the workshop, besides good achievement, creativity, self-confidence and high-quality teamwork significantly contribute to overall satisfaction of students.

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