

=== About ===BIO:

Associate Professor, Department of Mathematics and Constructive Geometry, Slovak University of Technology Mária Ždímalová currently works at the Department of Mathematics and Constructive Geometry, Slovak University of Technology in Bratislava, Slovakia. Maria does research in Applied Mathematics, Mathematical Modelling, Algebra and Graph Theory. Their current project is 'Arch Math: Mathematics and Architecture, Design, Fashion, Art,' Algebraic Graph Theory as well as Graph Algorithms in Image Processing and Digital Topology and Mathematical Modelling, AL in image processing. She did habilitation to get assoc. prof. degree in 2019 June in the field: Applied Mathematics, at Slovak University of Technology in Bratislava, Faculty of Civil Engineering, Slovakia. She is involved in many international and local government research grants where she participates as a researcher and also as a leader. She is also doing many international revisions and reports in different high level international scientific journals. She had many invited talks in India, Dubai, Spain, Italy, North Macedonia and many others. She participated at many international conferences and also research stages around the world, also on other continents, e.g. in Indonesia, in Mexico (Middle/South America). She is also advisor for many bachelor, and diploma students for final theses. She was guided and cooperated also with students from foreign countries, e.g. India. She has 36 research papers in WOS and Scopus database, but together she has almost 60 research papers in collaboration with many international coauthors. She also involves and support young people in research, where she involves her students into scientific papers and projects. She participated at many educational and research invitations, conferences and workshops and stays like in Romania, England, Spain, Italy, Mexico, Belgium, Poland, Czech Republic, Serbia, North Macedonia, Turkey, Czech Republic, Hungary.

Teaching:

- Calculus I, II
- Mathematical Logic
- Graph Theory
- Calculus for
Architecture <http://archmath.webnode.sk/> <https://www.facebook.com/Arch-Math-492082727664971/>
- Mathematics in Architecture <http://archmath.webnode.sk/>,
- Mathematical principles and statistics
- Statistics

Education:

- **2019 June, doc. Degree, Associate professor**, field: Applied Mathematics
- Slovak University of Technology in Bratislava, Faculty of Civil Engineering
- Department of Mathematics and Descriptive Geometry, Slovakia
- Title of the Dissertation: Large networks and their properties
- **2010 November, Ph.D. Degree**, Applied Mathematics, Slovak University of Technology in Bratislava, Faculty of Civil Engineering, Department of Mathematics and Descriptive Geometry, Slovakia

- Title of the Dissertation: Large vertex – transitive and Cayley graphs and digraphs of given degree and diameter
- 2003 – 2009 Ph.D. Studies at Slovak University of Technology in Bratislava, Slovakia, Faculty of Civil Engineering, Department of Mathematics and Descriptive geometry
- 2003 MSc. Degree, Comenius University in Bratislava, Slovakia, Faculty of Mathematics, Physics and Computer Science
- 1998 – 2003 Master Studies, Mathematics and Physics
- Additional information on education: 2006 – 2007 E – learning courses from Projective Geometry and Chapters for Teaching of the Mathematics – certificates, Comenius University in Bratislava

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