

Name of teacher:	Vedrana Kozulić
Employed at: Since:	University of Split, Faculty of Civil Engineering, Architecture and Geodesy, Department of Technical Mechanics 1. 09. 1990.
Title: Since: In:	Professor 13.07.2016. Engineering Mechanics, Technical Sciences
e-mail address, web page	vedrana.kozulic@gradst.hr
Knowledge of foreign languages:	English

Qualifications	- date of birth, nationality: 13. January 1962., Croatian - First degree obtained at: Faculty of Civil Engineering, University of Split, 1989. - Master degree obtained at: Faculty of Civil Engineering, University of Split, 1993. - Ph.D. degree obtained at: Faculty of Civil Engineering, University of Split, 1999. - additional education: - previous employments: Assistant (1990. -1999.), Senior assistant (1999. – 2002.), Assistant Professor (2002.- 2006.), Associate Professor (2006.-2010.), Professor (2010.- present). 1990. - 2002.: Faculty of Civil Engineering, University of Split, 2002. - 2009.: Faculty of Civil Engineering, University of Rijeka, 2009. – present: University of Split, Faculty of Civil Engineering, Architecture and Geodesy.
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List of papers published in scientific journals	1. B. Gotovac, V. Kozulić: Numerical solving of initial-value problems by R_{bf} basis functions, <i>Int. J. Structural Engineering and Mechanics</i>, Vol. 14, No. 3, pp. 263-285, 2002. 2. H. Gotovac, R. Andričević, B. Gotovac, V. Kozulić, M. Vranješ: An improved collocation method for solving the Henry problem, <i>Journal of Contaminant Hydrology</i>, 64 (2003), 1-2, pp. 129-149, 2003. 3. V. Kozulić, H. Gotovac, B. Gotovac: An Adaptive Multi-resolution Method for Solving PDE's, <i>CMC: Computers, Materials & Continua</i>, 6 (2007), 2, pp. 51-70, 2007. 4. B. Gotovac, R. Sesartić, V. Kozulić: Točna numerička formulacija zakrivljenog grednog elementa, <i>Građevinar</i>, 61 (2009) 12, pp. 1129-1141, 2009. 5. H. Gotovac, V. Kozulić, B. Gotovac: Space-Time Adaptive Fup Multi-Resolution Approach for Boundary-Initial Value Problems, <i>CMC: Computers, Materials & Continua</i>, 15 (2010), 3, pp. 173-198, 2010. 6. V. Kozulić, B. Gotovac: Elasto-Plastic Analysis of Structural Problems Using Atomic Basis Functions, <i>CMES: Computer Modeling in Engineering & Sciences</i>, 80 (2011), 4, pp. 251-274, 2011. 7. N. Brajčić Kurbaša, B. Gotovac, V. Kozulić: Atomic Exponential Basis Function $Eup(x,\omega)$ - Development and Application, <i>CMES: Computer Modeling in Engineering & Sciences</i>, 111 (2016), 6, pp. 493-530, 2016. 8. V. Kozulić, B. Gotovac: Application of the Solution Structure Method in Numerically Solving Poisson's Equation on the Basis of Atomic Functions, <i>International Journal of Computational Methods</i>, 15 (2018), 5; 1850033, 25 doi:10.1142/S0219876218500330 9. G. Kamber, H. Gotovac, V. Kozulić, L. Malenica, B. Gotovac: Adaptive numerical modeling using the hierarchical Fup basis functions and control volume isogeometric analysis, <i>International Journal for Numerical Methods in Fluids</i>, 92(10), pp. 1437-1461, 2020.
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List of publications which serve as a proof of teaching qualifications	1. B. Gotovac, V. Kozulić: Numerical solving of initial-value problems by R_{bf} basis functions, <i>Int. J. Structural Engineering and Mechanics</i>, Vol. 14, No. 3, pp. 263-285, 2002. 2. B. Gotovac, V. Kozulić: On a selection of basis functions in numerical analyses of engineering problems, <i>International Journal for Engineering Modelling</i>, Vol. 12, No. 1-4, pp. 25-41, 1999. 3. V. Kozulić, B. Gotovac: Numerical analyses of 2D problems using $Fup_n(x,y)$ basis functions, <i>International Journal for Engineering Modelling</i>, Vol. 13, No. 1-2, pp. 7-18, 2000. 4. H. Gotovac, R. Andričević, B. Gotovac, V. Kozulić, M. Vranješ: An improved collocation method for solving
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	the Henry problem, <i>Journal of Contaminant Hydrology</i>, 64 (2003), 1-2, pp. 129-149, 2003. 5. V. Kozulić, H. Gotovac, B. Gotovac: An Adaptive Multi-resolution Method for Solving PDE's, <i>CMC: Computers, Materials & Continua</i>, 6 (2007), 2, pp. 51-70, 2007. 6. V. Kozulić, B. Gotovac: Computational Modeling of Structural Problems using Atomic Basis Functions, <i>Advanced Structured Materials</i>, Vol. 70: Mechanical and Materials Engineering of Modern Structure and Component Design / Öchsner, A.; Altenbach, H. (Eds.), Springer, Chapter 17, pp. 207-230, 2015. 7. H. Gotovac, V. Kozulić, B. Gotovac: Space-Time Adaptive Fup Multi-Resolution Approach for Boundary-Initial Value Problems, <i>CMC: Computers, Materials & Continua</i>, 15 (2010), 3, pp. 173-198, 2010. 8. V. Kozulić, B. Gotovac: Elasto-Plastic Analysis of Structural Problems Using Atomic Basis Functions, <i>CMES: Computer Modeling in Engineering & Sciences</i>, 80 (2011), 4, pp. 251-274, 2011. 9. N. Brajčić Kurbaša, B. Gotovac, V. Kozulić: Atomic Exponential Basis Function $Eup(x, \omega)$ - Development and Application, <i>CMES: Computer Modeling in Engineering & Sciences</i>, 111 (2016), 6, pp. 493-530, 2016. 10. V. Kozulić, B. Gotovac: Application of the Solution Structure Method in Numerically Solving Poisson's Equation on the Basis of Atomic Functions, <i>International Journal of Computational Methods</i>, 15 (2018), 5; 1850033, 25 doi:10.1142/S0219876218500330 11. G. Kamber, H. Gotovac, V. Kozulić, L. Malenica, B. Gotovac: Adaptive numerical modeling using the hierarchical Fup basis functions and control volume isogeometric analysis, <i>International Journal for Numerical Methods in Fluids</i>, 92(10), pp. 1437-1461, 2020.
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Leader of the following research projects	1. Adaptive meshless modeling in design of engineering structures
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Participant in the following research projects	1. Nonlinear numerical modelling of civil engineering structures (1991.-1996.), 2. Numerical modelling of engineering structures (1997.-2000.), 3. Numerical modelling of spatial engineering structures (2000.-2002.), 4. Modern numerical modelling of tunnels and underground structures (2002.-2005.), 5. Numerical modelling of quasi-brittle materials (2002.-2005.), 6. Groundwater flow modeling in karst aquifers (2014. – 2018.)
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Supervision of MSc theses	1
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Supervision of PhD theses	2
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Examination of MSc theses	1
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Examination of PhD theses	6
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