

Name of teacher:	Željko Arbanas
Employed at: Since:	Faculty of Civil Engineering, University of Rijeka, Croatia 2002
Title: Since: In:	Full Professor 2015 Geotechnics, Civil Engineering, Technical Sciences
e-mail address, web page	zeljko.arbanas@gradri.uniri.hr , https://portal.uniri.hr/Portfelj/1373
Knowledge of foreign languages:	English, German

Qualifications	- date of birth, nationality: 20 July 1959, Croatian - First degree obtained at: Faculty of Civil Engineering, University of Rijeka, Croatia (1982) - Master degree obtained at: Faculty of Civil Engineering, University of Zagreb, Croatia (2002) - Ph.D. degree obtained at: Faculty of Civil Engineering, University of Zagreb, Croatia (2004) - additional education: - previous employments: Cesta Ltd, Rijeka, 1983-1986 - Faculty of Civil Engineering University of Rijeka, 1986-1991 - Civil Engineering institute of Croatia, 1991-2010 (half part from 2002)
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List of papers published in scientific journals	[1] Benac, Č., Arbanas, Ž., Jurak, V., Oštrić, M., Ožanić, N., "Complex landslide in the Rječina valley (Croatia): Origin and sliding mechanism", <i>Bulletin of Engineering Geology and the Environment</i>, Vol 64, (2005), 4; pp. 361-371. [2] Arbanas, Ž., Kovačević, M.-S., Szavits-Nossan, V., "Kontrola kvalitete štapnih sidara", <i>Građevinar</i>, Vol. 57 (2005), No. 11; pp. 859-867. [3] Benac, Č.; Dugonjić, S.; Vivoda, M.; Oštrić, M.; Arbanas, Ž.; A complex landslide in the Rječina Valley: results of monitoring 1998-2010. <i>Geologia Croatica : Journal of the Croatian Geological Survey and the Croatian Geological Society</i>. 64 (2011) , 3; pp. 239-249. [4] Dugonjić Jovančević, S.; Arbanas, Ž.; Recent landslides on the Istrian Peninsula, Croatia. <i>Natural hazards</i> 62 (2012), 3; pp. 1323-1338. [5] Arbanas, Ž.; Grošić, M.; Udovič, D.; Mihalić, S.; Rockfall Hazard Analyses and Rockfall Protection along the Adriatic Coast of Croatia. <i>Journal of Civil Engineering and Architecture</i>. 6 (2012) , 3; pp. 344-355. [6] Dugonjić Jovančević, S.; Arbanas, Ž.; Benac, Č.; Mihalić Arbanas, S.; Landslide susceptibility analyses in flysch areas in the north-eastern part of the Adriatic coast. <i>Risk Analysis VIII, Brebbia, Carlos (Ed.). Southampton, WIT Press, doi:10.2495/RISK120211, (2012), pp. 237-248.</i> [7] Mihalić Arbanas, S.; Arbanas, Ž.; Abolmasov, B.; Mikoš, M.; Komac, M.; The ICL Adriatic-Balkan Network: analysis of current state and planned activities. <i>Landslides</i>. 10 (2013), 1; pp. 1-7 [8] Jagodnik V., Jelenić G., Arbanas Ž. (2013) On application of mixed finite-element approach to beam-soil interaction. <i>Acta geotechnica slovenica</i>. 10 (2013), 2; 15-27 [9] Grošić M., Arbanas Ž. (2014) Time-dependent behaviour of reinforced cuts in weathered flysch rock masses. <i>Acta geotechnica slovenica</i>. 11 (2014), 1; 4-17. [10] Žic, E. Arbanas, Ž., Bičanić, N., Ožanić, N. (2015) A model of mudflow propagation downstream from the Grohovo landslide near the city of Rijeka (Croatia). <i>Natural hazards and earth system sciences</i>. 15, 1; 293-313. [11] Jagodnik, V., Arbanas, Ž. (2015) Testing of laterally loaded piles in natural sandy gravels. <i>International Journal of Physical Modelling in Geotechnics</i>. 15, 4; 191-208. [12] Mihalić Arbanas, S., Kalinić, P., Bernat, S., Krkač, M., Arbanas, Ž., Sećanj, M. (2015) Landslide risk management for the purpose of civil protection in the City of Zagreb, Croatia. <i>Baltic Horizons</i>. 23, 116; 26-34. [13] Prodan Vivoda, M., Arbanas, Ž. (2016) Weathering Influence on Properties of Siltstones from Istria, Croatia. <i>Advances in Materials Science and Engineering</i>., 3073202; 1-15. [14] Dugonjić Jovančević, S., Peranić, J., Ružić, I. Arbanas, Ž. (2016) Analysis of a historical landslide in the Rječina River Valley, Croatia. <i>Geoenvironmental Disasters</i> 3:26. DOI 10.1186/s40677-016-0061-x [15] Vivoda Prodan, M., Mileusić, M., Mihalić Arbanas, S., Arbanas, Ž. (2017) Influence of weathering processes on the shear strength of siltstones from a flysch rock mass along the northern Adriatic coast of Croatia. <i>Bulletin of engineering geology and the environment</i>; 1-17 [16] Dugonjić Jovančević, S., Arbanas, Ž. (2017) Influence of the runoff potential on landslide-susceptible areas along the flysch-karst contact in Istria, Croatia. <i>Natural hazards</i>. 85, 3; 1347-1362
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List of publications which serve as a proof of teaching qualifications	[1] Benac, Č., Arbanas, Ž., Jurak, V., Oštrić, M., Ožanić, N., "Complex landslide in the Rječina valley (Croatia): Origin and sliding mechanism", <i>Bulletin of Engineering Geology and the Environment</i>, Vol 64, (2005), 4; pp. 361-371. [2] Arbanas, Ž., Kovačević, M.-S., Szavits-Nossan, V., "Kontrola kvalitete štapnih sidara", <i>Građevinar</i>, Vol. 57 (2005), No. 11; pp. 859-867. [3] Arbanas, Ž., Kovačević, M.-S., Szavits-Nossan, V.: <i>Interactive Design for Deep Excavations</i>, Proc. XIII Danube-European Conference on Geotechnical Engineering 2006 Active Geotechnical Design in Infrastructure Development, 29-31. May 2006, Ljubljana, Slovenia, Ed. J. Logar, A. Gaberc and B. Majes, Slovenian Geotechnical Society, Ljubljana, (2006), Vol. 2, pp. 411-416. [4] Arbanas, Ž., Benac, Č., Jurak, V.: <i>Causes of debris flow formation in flysch area of North Istria, Croatia</i>, Proc. of 1st Int. Conf. On Monitoring, Simulation and Remediation of Dense and Debris Flows, Debris Flow 2006, Rodos, 7-9 June 2006, Greece, Ed. C.A. Brebbia, WIT Press, Ashurst Lodge, Southampton, (2006). [5] Arbanas, Ž., Grošić, M., Kovačević, M.-S.: <i>Rock Mass Reinforcement Systems in Open Pit Excavations in Urban Areas</i>, Proc. Int. Symp. on Rock Slope Stability in Open Pit Mining and Civil Engineering, 12.-14. September 2007, Perth, Australia, Ed. Y. Potvin, Australian Centre for Geomechanics, Perth, (2007), pp. 171-183. [6] Arbanas, Ž., Kovačević, M.-S. Szavits-Nossan, V.: <i>Influence of Rock Bolt Behaviour on Deep Excavations in Urban Environments</i>, Proc. 14. European Conference on Soil Mechanics and Geotechnical Engineering, 24-27. September 2007, Madrid, Spain, Ed. V. Cuellar, E. Dapena, J.M. Echave, A. Gens, J.L. de Justo, C. Oteo, J.M. Rodriguez-Ortiz, C. Sagaseta, P. Sola, P. & A. Sorianao, Millpress, Rotterdam, (2007), Vol. 2, pp. 509-514. [7] Arbanas, Ž., Grošić, M.; Udovič, D.; Jagodnik, V.: <i>Optimization of rock mass support systems during deep excavations</i>, Proceedings of the regional symposium of the International Society for Rock Mechanics, Eurock 2009, Rock Engineering in Difficult Ground Conditions - Soft Rock and Karst, 29.-31. October 2009, Dubrovnik-Cavtat, Croatia, Ed. I. Vrkljan, CRC Press/Balkema, Taylor & Francis Group, Leiden, (2009), pp. 427-433. [8] Arbanas, Ž.; Grošić, M.; Udovič, D.; Mihalić, S.; <i>Rockfall Hazard Analyses and Rockfall Protection along the Adriatic Coast of Croatia</i>. Journal of Civil Engineering and Architecture. 6 (2012) , 3; pp. 344-355. [9] Jagodnik V., Jelenić G., Arbanas Ž. (2013) <i>On application of mixed finite-element approach to beam–soil interaction</i>. Acta geotechnica slovenica. 10 (2013), 2; 15-27 [10] Arbanas, Ž.; <i>Opservacijske metode pri projektiranju i izvođenju građevnih jama u stijenskoj masi u urbanim sredinama</i>. Zbornik radova naučno-stručnog simpozijuma GEO-EXPO 2013, Zekan, Sabid (Ed.). Tuzla : Društvo za geotehniku u Bosni i Hercegovini, 2013. pp. 36-52. [11] Grošić M., Arbanas Ž. (2014) <i>Time-dependent behaviour of reinforced cuts in weathered flysch rock masses</i>. Acta geotechnica slovenica. 11 (2014), 1; 4-17. [12] Žic, E. Arbanas, Ž., Bičanić, N., Ožanić, N. (2015) <i>A model of mudflow propagation downstream from the Grohovo landslide near the city of Rijeka (Croatia)</i>. Natural hazards and earth system sciences. 15, 1; 293-313. [13] Jagodnik, V., Arbanas, Ž. (2015) <i>Testing of laterally loaded piles in natural sandy gravels</i>. International Journal of Physical Modelling in Geotechnics. 15, 4; 191-208. [14] Mihalić Arbanas, S., Arbanas, Ž. (2015) <i>Landslides – A guide to researching landslide phenomena and processes</i>. In: Handbook of Research on Advancements in Environmental Engineering (N. Gaurina-Medjimurec, ed.). IGI Global, Hershey, Pennsylvania, 474-510. [15] Vivoda Prodan, M., Mileusnić, M., Mihalić Arbanas, S., Arbanas, Ž. (2017) <i>Influence of weathering processes on the shear strength of siltstones from a flysch rock mass along the northern Adriatic coast of Croatia</i>. Bulletin of engineering geology and the environment; 1-17 [16] Dugonjić Jovančević, S., Arbanas, Ž. (2017) <i>Influence of the runout potential on landslide-susceptible areas along the flysch–karst contact in Istria, Croatia</i>. Natural hazards. 85, 3; 1347-1362
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Leader of the following research projects	Study of landslides in flysch deposits: sliding mechanisms and geotechnical properties for landslide modeling and mitigation (SoLiFlyD) (SoLiFlyD) Ministry of Science, Education and Sports, Republic of Croatia and Republic of Slovenia (2014-2015). Study of landslides in flysch deposits of North Istria, Croatia: sliding mechanisms, geotechnical properties, landslide modeling and landslide susceptibility (IPL-184), International Consortium on Landslides (2013-2017) Laboratory testing and numerical modelling of landslides in flysch deposits in Croatia and Slovenia, Ministry of Science, Education and Sports, Republic of Croatia and Republic of Slovenia (2016-2017). Development of the landslide monitoring and early warning system as a
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	base for landslide hazard reduction, University of Rijeka (2014-2017)
Participant in the following research projects	Monitoring of underground constructions, Ministry of Science and Technology Republic of Croatia (2002-2007) Testing and modelling of improved soils and rocks, Ministry of Science and Technology Republic of Croatia (2007-2014) Risk Identification and Land-Use Planning for Disaster Mitigation of Landslides and Floods in Croatia financiranom od strane Vlade Japana (Japan International Cooperation Agency, JICA, Japan Agency for Science and Technology, JST, Ministry of Science, Education and Sports) (2009-2014)
Supervision of MSc theses	1
Supervision of PhD theses	4
Examination of MSc theses	4
Examination of PhD theses	8