

Name of teacher:	Aleksandra Deluka-Tibljaš
Employed at: Since:	University of Rijeka, Faculty of Civil Engineering 1/10/1993
Scientific / teaching title: Last election date: Scientific area and branch:	Professor 5/2017 technical science/civil engineering/transportation engineering
e-mail address, web page	aeksandra.deluka@uniri.hr
Knowledge of foreign languages:	English, Italian
Qualifications	<ul style="list-style-type: none"> - date of birth, nationality: 3.9.1966., Rijeka, Croatia, Croat - First degree obtained at: Faculty of Civil Engineering in Rijeka - Ph.D. degree obtained at: Faculty of Civil Engineering in Zagreb - previous employments: Faculty of Civil Engineering in Zagreb
List of papers published in scientific journals	<ul style="list-style-type: none"> ➤ Deluka-Tibljaš, Aleksandra; Giuffre, Tullio; Šurdonja, Sanja; Trubia, Salvatore Introduction of Autonomous Vehicles: Roundabouts Design and Safety Performance Evaluation // Sustainability, 10 (2018), 4; 1060, 14 doi:10.3390/su10041060 (međunarodna recenzija, članak, znanstveni) ➤ Šurdonja, Sanja; Dragčević, Vesna; Deluka-Tibljaš, Aleksandra Analyses of maximum-speed path definition at single-lane roundabouts // Journal of Traffic and Transportation Engineering (English Edition), 5 (2018), 2; 83-95 doi:10.1016/j.jtte.2017.06.006 (međunarodna recenzija, članak, znanstveni) ➤ Šurdonja, Sanja; Deluka-Tibljaš, Aleksandra; Cuculić, Marijana; Dragčević, Vesna The Relevant Direction of Vehicle Movement for Checking the Operational Speed at the Roundabout // Urban and Transit Planning / Bougdah, Hocine ; Versaci, Antonella ; Sotoca, Adolf ; Trapani, Ferdinando ; Migliore, Marco ; Clark, Nancy (ur.). Cham: Springer International Publishing, 2019. str. 329-338 doi:10.1007/978-3-030-17308-1_31 ➤ Deluka-Tibljaš, Aleksandra; Šurdonja, Sanja; Babić, Sergije; Cuculić, Marijana. Analyses of urban pavement surface temperatures // The Baltic Journal of Road and Bridge Engineering. (2015) Vol 10, no. 3, 239-246; DOI 10.3846/BJRBE.2015.30 (ISSN 1822-427X, eISSN 1822-4288) ➤ Karleuša, Barbara; Ožanić; Nevenka; Deluka-Tibljaš, Aleksandra: Improving decision making in defining priorities for implementation of irrigation plans using AHP methodology. // Tehnički vjesnik / Technical Gazette. (2014) (SCI Expanded, ISSN 1330-3651) 21 (2014), 3; 673-680 ➤ Šurdonja, Sanja; Nežić, Daniela; Deluka-Tibljaš, Aleksandra. The Roundabout Capacity Estimate Microsimulation Model. // Pomorski zbornik. 49/50 (2015) , 1; 143-164 ➤ Deluka-Tibljaš, Aleksandra; Karleuša, Barbara; Dragičević, Nevena. Review of multicriteria-analysis methods application in decision making about transport infrastructure. // Građevinar : časopis Hrvatskog saveza građevinskih inženjera. 65 (2013) , 7; 619-631 ➤ Šurdonja, Sanja; Deluka-Tibljaš, Aleksandra; Babić, Sergije. Optimisation of project element of roundabouts. // Technical gazette. 20 (2013) , 3; 533-539
List of publications which serve as a	<ul style="list-style-type: none"> ➤ Deluka-Tibljaš, Aleksandra; Giuffre, Tullio; Šurdonja, Sanja; Trubia, Salvatore

<p>proof of teaching qualifications</p>	<ul style="list-style-type: none"> ➤ Introduction of Autonomous Vehicles: Roundabouts Design and Safety Performance Evaluation // Sustainability, 10 (2018), 4; 1060, 14 doi:10.3390/su10041060 (međunarodna recenzija, članak, znanstveni) ➤ Šurdonja, Sanja; Dragčević, Vesna; Deluka-Tibljaš, Aleksandra Analyses of maximum-speed path definition at single-lane roundabouts // Journal of Traffic and Transportation Engineering (English Edition), 5 (2018), 2; 83-95 doi:10.1016/j.jtte.2017.06.006 (međunarodna recenzija, članak, znanstveni) ➤ Šurdonja, Sanja; Deluka-Tibljaš, Aleksandra; Cuculić, Marijana; Dragčević, Vesna The Relevant Direction of Vehicle Movement for Checking the Operational Speed at the Roundabout // Urban and Transit Planning / Bougdah, Hocine ; Versaci, Antonella ; Sotoca, Adolf ; Trapani, Ferdinando ; Migliore, Marco ; Clark, Nancy (ur.). Cham: Springer International Publishing, 2019. str. 329-338 doi:10.1007/978-3-030-17308-1_3 ➤ Deluka-Tibljaš, Aleksandra; Šurdonja, Sanja; Babić, Sergije; Cuculić, Marijana. Analyses of urban pavement surface temperatures // The Baltic Journal of Road and Bridge Engineering. (2015) Vol 10, no. 3, 239-246; DOI 10.3846/BJRBE.2015.30 (ISSN 1822-427X, eISSN 1822-4288) ➤ Ištoka Otković, Irena; Deluka-Tibljaš, Aleksandra; Šurdonja, Sanja Validation of the calibration methodology of the micro-simulation traffic model // Transport Infrastructure and systems in a changing world. Towards a more sustainable, reliable and smarter mobility. TIS Roma 2019 Conference Proceedings / Ignaccolo, Matteo ; Tiboni, Michela (ur.). ➤ Rim, Italija: Elsevier BV, 2020. str. 684-691 doi:10.1016/j.trpro.2020.02.110 (predavanje, međunarodna recenzija, cjeloviti rad (in extenso), znanstveni) ➤ Campisi, Tiziana; Deluka-Tibljaš, Aleksandra; Tesoriere, Giovanni; Canale, Antonino; Rencelj, Marko; Šurdonja, Sanja Cycling traffic at turbo roundabouts: some considerations related to cyclist mobility and safety // Transport Infrastructure and systems in a changing world. Towards a more sustainable, reliable and smarter mobility. TIS Roma 2019 Conference Proceedings / Ignaccolo, Matteo ; Tiboni, Michela (ur.). Rim, Italija: Elsevier BV, 2020. str. 627-634 doi:10.1016/j.trpro.2020.03.048 (predavanje, međunarodna recenzija, cjeloviti rad (in extenso), znanstveni) ➤ Pranjčić, Ivana; Deluka-Tibljaš, Aleksandra; Cuculić, Marijana; Šurdonja, Sanja Influence of pavement surface macrotecture on pavement skid resistance // Transportation research procedia / Ignaccolo, M. ; Tiboni, M. (ur.). Rim, Italija, 2020. str. 747-754 doi:10.1016/j.trpro.2020.02.102 (predavanje, međunarodna recenzija, cjeloviti rad (in extenso), znanstveni) ➤ Cuculić, Marijana; Deluka Tibljaš, Aleksandra; Vasić, Fabian; Pranjčić, Ivana The influence of porous asphalt mix design on raveling resistance // The International Conference of Computational Methods in Sciences and Engineering 2019 (ICCMSE-2019) / Theodore E. Simos, Zacharoula Kalogiratou and Theodore Monovasilis (ur.). Rhodes, Greece: AIP Publishing, 2019. 1063, 6 doi:10.1063/1.5138071 (ostalo, međunarodna recenzija, cjeloviti rad (in extenso), znanstveni) ➤ Šurdonja, Sanja; Kišić, Ivan; Deluka-Tibljaš, Aleksandra; Karleuša, Barbara Use of AHP method in the traffic planning - Example of selecting an optimal intersection type // PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF COMPUTATIONAL METHODS IN SCIENCES AND ENGINEERING 2019 (ICCMSE-2019) / E. Simos, T. ; Kalogiratou, Z. ; Monovasilis, T. (ur.). Rhodes, Greece: AIP Publishing, 2019. 160002, 6 doi:10.1063/1.5138070 (ostalo, međunarodna recenzija, znanstveni) ➤ Deluka-Tibljaš, Aleksandra; Karleuša, Barbara; Dragičević, Nevena. Review of multicriteria-analysis methods application in decision making about transport infrastructure. // Građevinar : časopis Hrvatskog saveza građevinskih inženjera. 65 (2013) , 7; 619-631 ➤ Babić, Sergije; Deluka-Tibljaš, Aleksandra; Cuculić, Marijana; Šurdonja, Sanja. Analysis of pavement surface heating in urban areas. // Građevinar. 64 (2012) , 2; 125-132 ➤ Cuculić, Marijana; Arbanas, Željko; Deluka-Tibljaš, Aleksandra. Deformation properties of unbound granular materials. // Zbornik Građevinskog fakulteta Sveučilišta u Rijeci. 1 (2009) ; 231-253 – in croatian ➤ Pranjčić, Ivana; Deluka-Tibljaš, Aleksandra; Cvitanić, Dražen; Šurdonja, Sanja.
--	--

	<p>Analysis of sight distance at an at-grade intersection // Road and Rail Infrastructure IV, Proceedings of the Conference CETRA 2016 / Stjepan Lakušić (ur.).Zagreb : Department of Transportation, Faculty of Civil Engineering, University of Zagreb, 2016. 921-928</p> <p>➤ Cuculić, Marijana; Deluka-Tibljaš, Aleksandra; Babić, Sergije.Urban pavement surfaces heating-influencing parameters // Road and Rail Infrastructure III / Lakušić, Stjepan(ur.),Zagreb : Faculty of Civil Engineering University of Rijeka, 2014. 853-858</p>
--	---

Leader of the following research projects	University of Rijeka project "Sustainable design of pavement structures in urban areas" (2014-2017)
--	---

Participant in the following research projects	<p>➤ Project collaborator: project code MSES 114-1102147-3133: HDM-4 and its adaptation for use in the road management system (2009-2012), principal investigator prof.dr. Mate Sršen</p> <p>➤ Project associate: Correlation of shape and safety at intersections with roundabouts (2008-2012), Project code MSES: 135-0000000-3313, main researcher: prof.dr. Ivan Legac</p> <p>➤ Project Associate: INTERREG III A PROGRAM - REVIEW AND CREATION OF A DATABASE ON ADRIATIC ROADS (2004-2006) Project holder: University of Trieste</p> <p>➤ Project associate: project code MSES 114102: Numerical analysis of quasi-brittle materials (1996-2002), principal investigator prof.dr. Ivica Kožar</p> <p>➤ Collaborator on the project: Study of Rijeka's city traffic spaces, project code MSES 2-11-100: (1993-1996), main researcher prof.dr. Andrija Prager</p>
---	--

Supervision of MSc theses	-
----------------------------------	---

Supervision of PhD theses	-
----------------------------------	---

Examination of MSc theses	2
----------------------------------	---

Examination of PhD theses	2
----------------------------------	---