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| <b>Name of teacher:</b> | <b>Sanja Šurdonja</b> |
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| <b>Employed at:</b><br><b>Since:</b> | University of Rijeka, Faculty of Civil Engineering<br>1 July 2017 |
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| <b>Academic rank:</b><br><b>Since:</b><br><b>In:</b> | Associate professor<br>2023<br>Transportation |
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| <b>e-mail address, web page</b> | <a href="mailto:sanja.surdonja@uniri.hr">sanja.surdonja@uniri.hr</a> ; <a href="https://portal.uniri.hr/Portfelj/894">https://portal.uniri.hr/Portfelj/894</a> |
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| <b>Knowledge of foreign languages:</b> | english |
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| <b>Qualifications</b> | <ul style="list-style-type: none"> <li>- <b>date of birth, nationality:</b> 01 Jun 1979, croatian</li> <li>- <b>First degree obtained at:</b> University of Rijeka, Faculty of Civil Engineering (2004)</li> <li>- <b>Ph.D. degree obtained at:</b> University of Zagreb, Faculty of Civil Engineering (2017)</li> </ul> |
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| <b>List of papers published in scientific journals</b> | <p>1. Klobučar, Mirna; Deluka-Tibljaš, Aleksandra; Šurdonja, Sanja; Ištoka Otković, Irena; A Theoretical Model for Optimizing Signalized Intersection and Roundabout Distance Using Microsimulations // Future transportation, 5 (2025), 1; 28, 24. doi: 10.3390/futuretransp5010028</p> <p>2. Šurdonja, Sanja; Maršanić, Robert; Deluka-Tibljaš, Aleksandra<br/>Speed Analyses of Intersections Reconstructed into Roundabouts: A Case Study from Rijeka, Croatia // Infrastructures, 9 (2024), 9; 159-19. doi: 10.3390/infrastructures9090159</p> <p>3. Ištoka Otković, Irena ; Deluka-Tibljaš, Aleksandra ; Šurdonja, Sanja ; Campisi, Tiziana<br/>Development of Models for Children—Pedestrian Crossing Speed at Signalized Crosswalks // Sustainability, 13 (2021), 2; 1057995, 18. doi: 10.3390/su13020777</p> <p>4. Deluka-Tibljaš, Aleksandra ; Ištoka Otković, Irena ; Campisi, Tiziana ; Šurdonja, Sanja<br/>Comparative Analyses of Parameters Influencing Children Pedestrian Behavior in Conflict Zones of Urban Intersections // Safety, 7 (2021), 1; 1039109, 15. doi: 10.3390/safety7010005</p> <p>5. Barišić, Ivana ; Zvonarić, Matija ; Netinger Grubeša, Ivanka ; Šurdonja, Sanja<br/>Recycling waste rubber tyres in road construction // Archives of civil engineering, 67 (2021), 1; 499-512. doi: 10.24425/ace.2021.136485</p> <p>6. Ištoka Otković, Irena ; Karleuša, Barbara ; Deluka- Tibljaš, Aleksandra ; Šurdonja, Sanja ; Marušić, Mario<br/>Combining Traffic Microsimulation Modeling and Multi-Criteria Analysis for Sustainable Spatial- Traffic Planning // Land (Basel), 10 (2021), 7; 666, 26. doi: 10.3390/land10070666</p> <p>7. Deluka-Tibljaš, Aleksandra ; Šurdonja, Sanja ; Ištoka Otković, Irena<br/>Analysis of Children's Traffic Behaviour at Signalized Crosswalks as a Precondition for Safe Children Routes Design: A Case Study from Croatia // Journal of advanced transportation, 2021 (2021), 1-14. doi: 10.1155/2021/7936261</p> |
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|                                                                                      | <p>8. Šurdonja, Sanja ; Dragčević, Vesna ; Deluka-Tibljaš, Aleksandra<br/>Analyses of maximum-speed path definition at single-lane roundabouts // Journal of traffic and transportation engineering (English ed.), 5 (2018), 2; 83-95. doi: 10.1016/j.jtte.2017.06.006</p> <p>9. Deluka-Tibljaš, Aleksandra; Giuffre, Tullio ; Šurdonja, Sanja ; Trubia, Salvatore<br/>Introduction of Autonomous Vehicles: Roundabouts Design and Safety Performance Evaluation // Sustainability, 10 (2018), 4; 1060, 14. doi: 10.3390/su10041060</p> <p>10. Deluka-Tibljaš, Aleksandra ; Šurdonja, Sanja ; Babić, Sergije ; Cuculić, Marijana<br/>ANALYSES OF URBAN PAVEMENT SURFACE TEMPERATURES // Baltic journal of road and bridge engineering, 10 (2015), 3; 239-246. doi: 10.3846/bjrbe.2015.30</p> <p>11. Deluka-Tibljaš, Aleksandra ; Šurdonja, Sanja ; Ištoka Otković, Irena ; Campisi, Tiziana; Child-Pedestrian Traffic Safety at Crosswalks— Literature Review // Sustainability, 14 (2022), 3; 1142, 23. doi: 10.3390/su14031142</p> <p>12. Šurdonja, Sanja ; Dragčević, Vesna ; Deluka - Tibljaš, Aleksandra ; Korlaet, Željko;<br/>Model radijusa putanje vozila u sredini kružnog raskrižja // Građevinar : časopis Hrvatskog saveza građevinskih inženjera, 71 (2019), 3; 163-175. doi: 10.14256/JCE.2318.2018</p> <p>13. Šurdonja, Sanja ; Deluka-Tibljaš, Aleksandra ; Babić, Sergije<br/>Optimizacija projektnih elemenata kružnog raskrižja // Tehnički vjesnik = Technical gazette, 20 (2013), 3; 533-539</p> <p>14. Babić, Sergije ; Deluka-Tibljaš, Aleksandra ; Cuculić, Marijana ; Šurdonja, Sanja<br/>Analiza zagrijavanja kolničkih površina urbanih područja // Građevinar : časopis Hrvatskog saveza građevinskih inženjera, 64 (2012), 2; 125-132</p> |
| <p><b>List of publications which serve as a proof of teaching qualifications</b></p> | <p>1. Klobučar, Mirna; Deluka-Tibljaš, Aleksandra; Šurdonja, Sanja; Ištoka Otković, Irena; A Theoretical Model for Optimizing Signalized Intersection and Roundabout Distance Using Microsimulations // Future transportation, 5 (2025), 1; 28, 24. doi: 10.3390/futuretransp5010028</p> <p>2. Šurdonja, Sanja; Maršanić, Robert; Deluka-Tibljaš, Aleksandra<br/>Speed Analyses of Intersections Reconstructed into Roundabouts: A Case Study from Rijeka, Croatia // Infrastructures, 9 (2024), 9; 159-19. doi: 10.3390/infrastructures9090159</p> <p>3. Ištoka Otković, Irena ; Deluka-Tibljaš, Aleksandra ; Šurdonja, Sanja ; Campisi, Tiziana;<br/>Development of Models for Children—Pedestrian Crossing Speed at Signalized Crosswalks // Sustainability, 13 (2021), 2; 1057995, 18. doi: 10.3390/su13020777</p> <p>4. Deluka-Tibljaš, Aleksandra ; Ištoka Otković, Irena ; Campisi, Tiziana ; Šurdonja, Sanja;<br/>Comparative Analyses of Parameters Influencing Children Pedestrian Behavior in Conflict Zones of Urban Intersections // Safety, 7 (2021), 1; 1039109, 15. doi: 10.3390/safety7010005</p> <p>5. Ištoka Otković, Irena ; Karleuša, Barbara ; Deluka- Tibljaš, Aleksandra ; Šurdonja, Sanja ; Marušić, Mario; Combining Traffic Microsimulation Modeling and Multi-Criteria Analysis for Sustainable Spatial- Traffic Planning // Land (Basel), 10 (2021), 7; 666, 26. doi: 10.3390/land10070666</p>                                                                                                                                                                                                                                                                                                                                             |

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|  | <p>6. Deluka-Tibljaš, Aleksandra ; Šurdonja, Sanja ; Ištoka Otković, Irena<br/>Analysis of Children's Traffic Behaviour at Signalized Crosswalks as a Precondition for Safe Children Routes Design: A Case Study from Croatia // Journal of advanced transportation, 2021 (2021), 1-14. doi: 10.1155/2021/7936261</p> <p>7. Šurdonja, Sanja ; Dragčević, Vesna ; Deluka-Tibljaš, Aleksandra<br/>Analyses of maximum-speed path definition at single-lane roundabouts // Journal of traffic and transportation engineering (English ed.), 5 (2018), 2; 83-95. doi: 10.1016/j.jtte.2017.06.006</p> <p>8. Deluka-Tibljaš, Aleksandra: Giuffre, Tullio ; Šurdonja, Sanja ; Trubia, Salvatore<br/>Introduction of Autonomous Vehicles: Roundabouts Design and Safety Performance Evaluation // Sustainability, 10 (2018), 4; 1060, 14. doi: 10.3390/su10041060</p> <p>9. Deluka-Tibljaš, Aleksandra ; Šurdonja, Sanja ; Ištoka Otković, Irena ; Campisi, Tiziana;<br/>Child-Pedestrian Traffic Safety at Crosswalks— Literature Review // Sustainability, 14 (2022), 3; 1142, 23. doi: 10.3390/su14031142</p> <p>10. Šurdonja, Sanja ; Dragčević, Vesna ; Deluka - Tibljaš, Aleksandra ; Korlaet, Željko;<br/>Model radijusa putanje vozila u sredini kružnog raskrižja // Građevinar : časopis Hrvatskog saveza građevinskih inženjera, 71 (2019), 3; 163-175. doi: 10.14256/JCE.2318.2018</p> <p>11. Šurdonja, Sanja ; Deluka-Tibljaš, Aleksandra ; Babić, Sergije<br/>Optimizacija projektnih elemenata kružnog raskrižja // Tehnički vjesnik = Technical gazette, 20 (2013), 3; 533-539</p> |
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| <b>Leader of the following research projects</b> | <p>1. OPTIMIZACIJA OBLIKOVNIH ELEMENATA ŠIRE ZONE RASKRIŽJA (UNIRI projekt) voditeljica, 2024.-2025.</p> <p>2. INKLUZIVNI KAMPUS – voditeljica, 2019.-2021</p> |
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| <b>Participant in the following research projects</b> | <p>1. PROMETNA INFRASTRUKTURA U FUNKCIJI SIGURNOSTI OSJETLJIVIH SUDIONIKA U PROMETU (UNIRI projekt) – suradnik, 2024. – 2025.</p> <p>2. CEMENTOM STABILIZIRANI NOSIVI SLOJEVI S OTPADNOM GUMOM ZA ODRŽIVE KOLNIKE – RubSuPave, (HRZZ projekt) – suradnik, 2020.-2025.</p> <p>3. RAZVOJ MODELA PREDIKCIJE PONAŠANJA DJECE PJEŠAKA U URBANOJ PROMETNOJ MREŽI (Bilateralni HR-SLO projekt) – suradnik, 2020.-2022.</p> <p>4. PROMETNA INFRASTRUKTURA U FUNKCIJI ODRŽIVE URBANE MOBILNOSTI (UNIRI projekt) – suradnik, 2019.-2021</p> <p>5. ODRŽIVO PROJEKTIRANJE KOLNIČKIH KONSTRUKCIJA U URBANOM PODRUČJU (UNIRI projekt) – suradnik, 2014. – 2018.</p> |
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| <b>Supervision of PhD theses</b> |  |
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| <b>Examination of PhD theses</b> | 3 |
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