

Ime i prezime:	Ivan Marović
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Ustanova zaposlenja: Datum zaposlenja:	Sveučilište u Rijeci, Građevinski fakultet 07.05.2007.
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Znanstveno-nastavno/nastavno zvanje: Datum zadnjeg izbora: Grana, područje izbora:	Znanstveni savjetnik / redoviti profesor 24.3.2025./1.4.2025. Interdisciplinarno područje znanosti, polje Projektne menadžment
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e-mail adresa, web stranica	<a href="mailto:ivan.marovic@uniri.hr">ivan.marovic@uniri.hr</a> ; <a href="https://www.croris.hr/osobe/profil/27594">https://www.croris.hr/osobe/profil/27594</a>
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Poznavanje stranih jezika:	Engleski, njemački, češki
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Životopis	<ul style="list-style-type: none"> <li>- rođenje, državljanstvo: 28.05.1982., Split, Hrvatska, hrvatsko</li> <li>- fakultet: Sveučilište u Splitu, Građevinsko-arhitektonski fakultet</li> <li>- magisterij: -</li> <li>- doktorat: Sveučilište u Zagrebu, Građevinski fakultet</li> <li>- dodatno obrazovanje: -</li> <li>- podaci o prethodnim zaposlenjima: -</li> </ul>
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Popis radova objavljenih u znanstveno-istraživačkim časopisima	<ul style="list-style-type: none"> <li>• Galjanić, Kristina; Marović, Ivan; Hanak, Tomaš. Performance measurement framework for prediction and management of construction investments. // Sustainability, 15 (2023), 18; doi: 10.3390/su151813617.</li> <li>• Mrak, Iva; Ambruš, Denis; Marović, Ivan. A Holistic Approach to Strategic Sustainable Development of Urban Voids as Historic Urban Landscapes from the Perspective of Urban Resilience // Buildings, 12 (2022), 11; 12111852, 34. doi: 10.3390/buildings12111852.</li> <li>• Marović, Ivan; Mrak, Iva; Ambruš, Denis; Krstičević, Josip. Building Interventions in Mediterranean Towns— Developing a Framework for Selecting the Optimal Spatial Organization and Construction Technology from a Sustainable Development Perspective // Buildings, 12 (2022), 8; 1233, 27. doi: 10.3390/buildings12081233.</li> <li>• Galjanić, Kristina; Marović, Ivan; Jajac, Nikša. Decision Support Systems for Managing Construction Projects: A Scientific Evolution Analysis // Sustainability, 14 (2022), 9; 4977, 23. doi: 10.3390/su14094977.</li> <li>• Hanak, Tomaš; Marović, Ivan. Performance Management in Czech Construction: Public Investors' Perspective // Tehnički glasnik, 16 (2022), 1; 113-120. doi: 10.31803/tg-20211203121521.</li> <li>• Marović, Ivan; Hanak, Tomaš; Plaum, Stefan. Performance Management in Civil Engineering: A Systematic Literature Review // Advances in civil and architectural engineering, 13 (2022), 24; 47-58. doi: 10.13167/2022.24.5.</li> <li>• Hanak, Tomaš; Drozdova, Adriana; Marović, Ivan. Bidding Strategy in Construction Public Procurement: A Contractor's Perspective. // Buildings, 11 (2021), 2; 47, 14 doi: 10.3390/buildings11020047.</li> <li>• Marović, Ivan; Perić, Monika; Hanak, Tomaš. A Multi-Criteria Decision Support Concept for Selecting the Optimal Contractor. // Applied Sciences-Basel, 11 (2021), 4; 1660, 18 doi: 10.3390/app11041660.</li> <li>• Androjić, Ivica; Dimter, Sanja; Marović, Ivan. The contribution to the urban heat islands exploration: underpasses and their elements. // International journal of pavement engineering, 21 (2020), 5; 608-619 doi: 10.1080/10298436.2018.1502434.</li> </ul>
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	<ul style="list-style-type: none"> <li>• Car-Pušić, Diana; Marović, Ivan; Bulatović, Goran. Development of a hybrid agile management model in local self-government units. // Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku, 27 (2020), 5; 1418-1426 doi: 10.17559/TV-20190205140719.</li> <li>• Car-Pušić, Diana; Tijanić, Ksenija; Marović, Ivan; Mladen, Marko. Predicting Buildings Construction Cost Overruns on the Basis of Cost Overruns Structure. // Scientific Review and Environmental Sciences, 29 (2020), 3; 366-376 doi: 10.22630/PNIKS.2020.29.3.31.</li> <li>• Hanak, Tomaš; Marović, Ivan; Jajac, Nikša. Challenges of electronic reverse auctions in construction industry – a review. // Economies, 8 (2020), 1; 1-14 doi: 10.3390/economies8010013.</li> <li>• Marović, Ivan; Tijanić, Ksenija; Šopić, Martina; Car-Pušić, Diana. Group decision-making in civil engineering based on AHP and PROMETHEE methods. // Scientific Review Engineering and Environmental Sciences, 29 (2020), 4; 474-484 doi: 10.22630/PNIKS.2020.29.4.41.</li> <li>• Androjić, Ivica; Marović, Ivan. Influence of compaction energy on volumetric properties of hot-mix asphalt with waste glass content. // Journal of materials in civil engineering, 31 (2019), 10; 04019241, 11 doi: 10.1061/(ASCE)MT.1943-5533.0002887.</li> <li>• Androjić, Ivica; Marović, Ivan; Kaluđer, Gordana; Androjić, Jonatan. Application of solar aggregate stockpiles in the process of storing recycled materials. // International journal of energy research, 43 (2019), 6269-6282 doi: 10.1002/er.4317.</li> <li>• Androjić, Ivica; Marović, Ivan; Kaluđer, Jelena; Kaluđer, Gordana. Achieving sustainability through the temperature prediction of aggregate stockpiles. // Journal of cleaner production, 219 (2019), 451-460 doi: 10.1016/j.jclepro.2019.02.099.</li> <li>• Car-Pušić, Diana; Marović, Ivan; Bulatović, Goran. Agile organizational model for managing local government projects. // Electronic journal of the Faculty of Civil Engineering Osijek - e-GFOS, 9 (2019), 18; 12-21 doi: 10.13167/2019.18.2.</li> <li>• Jajac, Nikša; Marović, Ivan; Rogulj, Katarina; Kilić, Jelena. Decision Support Concept to selection of wastewater treatment plant location - the case study of town of Kutina, Croatia. // Water, 11 (2019), 4; 1-16 doi: 10.3390/w11040717.</li> <li>• Marović, Ivan; Androjić, Ivica; Jajac, Nikša; Hanak, Tomaš. Urban road infrastructure maintenance planning with application of neural networks. // Complexity, 2018 (2018), 5160417, 10 doi: 10.1155/2018/5160417.</li> <li>• Hanak, Tomaš; Marović, Ivan; Jajac, Nikša. Effect of electronic reverse auctions on competition and abnormally low bids in public construction procurement. // Tehnički vjesnik : znanstveno-stručni časopis tehničkih fakulteta Sveučilišta u Osijeku, 25 (2018), Suppl. 1; 144-148 doi: 10.17559/TV-20160212144243.</li> <li>• Kilić, Jelena; Jajac, Nikša; Marović, Ivan. GIS-based decision support concept to planning of land acquisition for realization of urban public projects. // Croatian operational research review, 9 (2018), 1; 11-24 doi: 10.17535/crorr.2018.0002.</li> <li>• Androjić, Ivica; Marović, Ivan. Analysis of influential factors on heat accumulation in structural elements of road underpasses. // Solar energy, 155 (2017), 25-34 doi: 10.1016/j.solener.2017.06.028.</li> <li>• Androjić, Ivica; Marović, Ivan. Development of artificial neural network and multiple linear regression models in the prediction process of the hot mix asphalt properties. // Canadian journal of civil engineering, 44 (2017), 12; 994-1004 doi: 10.1139/cjce-2017-0300.</li> <li>• Marović, Ivan; Sušan, Ivana; Ožanić, Nevenka. Development of ANN model for wind speed prediction as a support for early warning system. // Complexity, 2017 (2017), 3418145, 10 doi: 10.1155/2017/3418145.</li> <li>• Sušan, Ivana; Ožanić, Nevenka; Marović, Ivan. Methodology for developing hydrological models based on an Artificial Neural Network to establish an early</li> </ul>
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	<p>warning system in small catchments. // <i>Advances in Meteorology</i>. (2016), ArticleID 9125219; 1-14 doi: 10.1155/2016/9125219.</p> <ul style="list-style-type: none"> <li>• Jajac, Nikša; Marović, Ivan; Hanak, Tomaš. Podrška odlučivanju u upravljanju prometnim projektima u urbanim sredinama. // <i>Građevinar</i>. 67 (2015), 2; 131-141.</li> <li>• Hanak, Tomaš; Marović, Ivan; Aigel, Petr. Perception of residential environment in cities: a comparative study. // <i>Procedia Engineering</i>. 117 (2015); 500-506.</li> <li>• Marović, Ivan; Završki, Ivica; Jajac, Nikša. Ranking zones model – a multicriterial approach to the spatial management of urban areas. // <i>Croatian Operational Research Review</i>. 6 (2015), 1; 91-103.</li> <li>• Ružić, Igor; Benac, Čedomir; Marović, Ivan; Ilić, Suzana. A stability assessment of coastal cliffs using digital imagery. // <i>Acta Geotechnica Slovenica</i>. 12 (2015), 2; 25-35.</li> <li>• Gudac, Ivona; Marović, Ivan; Hanak, Tomaš. Sustainable optimization of winter road maintenance services under real-time information. // <i>Procedia Engineering</i>. 85 (2014); 183-192.</li> <li>• Hanak, Tomaš; Marović, Ivan; Pavlović, Strahinja. Preliminary identification of residential environment assessment indicators for sustainable modelling of urban areas. // <i>International Journal of Engineering Modelling</i>. 27 (2014), 1-2; 61-68.</li> <li>• Jajac, Nikša; Marović, Ivan. Management of urban road infrastructure projects – decision support concept to maintenance planning. // <i>International Review of Civil Engineering</i>. 5 (2014), 5; 156-162.</li> <li>• Jajac, Nikša; Marović, Ivan; Baučić, Martina. Decision support concept for managing the maintenance of city parking facilities. // <i>e-GFOS</i>. 5 (2014), 9; 60-69.</li> <li>• Jajac, Nikša; Marović, Ivan; Mladineo, Marko. Planning support concept to implementation of sustainable parking development projects in ancient Mediterranean cities. // <i>Croatian Operational Research Review</i>. 5 (2014), 2; 345-359.</li> <li>• Marović, Ivan; Car-Pušić, Diana; Hrvatinić, Zlatko. Establishing a model to evaluate public administration projects. // <i>e-GFOS</i>. 5 (2014), 8; 56-66.</li> <li>• Marović, Ivan; Jajac, Nikša. Decision support concept to management of student project proposals. // <i>International Review of Civil Engineering</i>. 5 (2014), 4; 124-129.</li> <li>• Ružić, Igor; Marović, Ivan; Benac, Čedomir; Ilić, Suzana. Coastal cliff geometry derived from structure-from-motion photogrammetry at Stara Baška, Krk Island, Croatia. // <i>Geo-marine Letters</i>. 34 (2014), 6; 555-565 doi: 10.1007/s00367-014-0380-4.</li> <li>• Hanak, Tomaš; Marović, Ivan. Benchmarking concept of small sized construction company. // <i>Journal of Applied Engineering Science</i>. 11 (2013), 4; 177-184.</li> <li>• Marović, Ivan; Bošković, Dražen; Gudac, Ivona. Process Approach in Modeling Croatian Construction Contract Management Practice. // <i>International Journal of Engineering Modelling</i>. 25 (2012), 1-4; 19-26.</li> <li>• Marović, Ivan; Žic, Elvis; Jajac, Nikša. Application of snapback chronometry method in calculation of regulation. // <i>Journal of Civil Engineering and Architecture</i>. 5 (2011), 3; 273-277.</li> <li>• Jajac, Nikša; Knežić, Snježana; Marović, Ivan. Decision support system to urban infrastructure maintenance management. // <i>Organization, Technology and Management in Construction</i>. 1 (2009), 2; 72-79.</li> </ul>
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<p><b>Popis radova koji nastavnika kvalificiraju za izvođenje nastave</b></p>	<p>Popis svih radova vidljiv je na <a href="https://www.croris.hr/osobe/profil/27594">https://www.croris.hr/osobe/profil/27594</a></p>
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<p><b>Popis znanstveno-istraživačkih projekata u svojstvu voditelja</b></p>	<ul style="list-style-type: none"> <li>• 2024. -2025. – Razvoj modela za upravljanje performansama građevinskih projekata temeljenog na metodama mekog računarstva (projekt Sveučilišta u Rijeci, voditelj)</li> <li>• 2020. - 2021. – Međunarodna znanstvena kolaboracija Decision support concept for sustainable urban management DSC4SUM (voditelj)</li> <li>• 2019. - 2022. – Koncept za podršku odlučivanju pri održivom upravljanju urbanih sredina, (projekt Sveučilišta u Rijeci, voditelj)</li> </ul>
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<p><b>Popis znanstveno-istraživačkih projekata u svojstvu suradnika</b></p>	<ul style="list-style-type: none"> <li>• 2024. – 2025. – Planiranje troškovne i vremenske komponente građevinskih projekata primjenom algoritama umjetne inteligencije i SCRUM metode (projekt Sveučilišta u Rijeci, suradnik)</li> <li>• 2022. - 2023. – Inovativni priključak za spajanje konstrukcijskih elemenata od tankostjenih čeličnih C-profila (projekt Sveučilišta u Rijeci, suradnik)</li> <li>• 2019. - 2021. – Analiza učinaka mjera smanjenja troškova energije i održavanja javnih obrazovnih objekata kroz sustav izvršenja, (projekt Sveučilišta u Rijeci, suradnik)</li> <li>• 2019. - 2020. – Monitoring ključnih parametara pouzdanosti sigurnosti i učinaka toranjskih dizalica -Monitor-KRAN (projekt Sveučilišta u Osijeku, suradnik)</li> <li>• 2014. - 2018. – Uspostava sustava odlučivanja baziranog na „performance“ konceptu u upravljanju javnim društvenim objektima, (projekt Sveučilišta u Rijeci, suradnik)</li> <li>• 2013. - 2014. – Identifikacija rizika i planiranje korištenja zemljišta za ublažavanje nepogoda kod odrona zemlje i poplava u Hrvatskoj /Risk Identification and Land-Use Planning for Disaster Mitigation of Landslides and Floods in Croatia (bilateralni hrvatsko-japanski projekt, suradnik)</li> <li>• 2009. - 2011. – Optimizacija produktivnosti u projektno usmjerenim sustavima u građevinarstvu (projekt MZOS, suradnik)</li> <li>• 2007.- 2008. – Istraživanje industrijske građevinske baštine Rijeke i okolice (projekt Zaklade Sveučilišta u Rijeci, suradnik)</li> </ul>
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<p><b>Broj mentorstava na doktorskim radovima</b></p>	<p>1</p>
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<p><b>Broj članstava u komisijama za ocjenu i obranu doktorskih radova</b></p>	<p>6</p>
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