



**EUROPEAN
CURRICULUM VITAE
FORMAT**
(in English)

**PERSONAL
INFORMATION**

| | | |
|------------------------|---|--|
| Surname and first name | Boris Čutura | |
| Address | Work: | Faculty of Civil Engineering, University of Mostar, Matice hrvatske bb, 88000 Mostar, Bosnia and Herzegovina |
| Telephone | +387 36 355 046 | |
| Mobile phone | +387 63 314 498 | |
| Fax | +387 36 355 001 | |
| E-mail address | boris.cutura@gf.sum.ba ; boriscutura@gmail.com | |
| Nationality | Croat | |
| Citizenship(s) | B&H / Croatian | |
| Date of birth | 22 August 1981 | |
| Gender | Male | |

**PROFESSIONAL
EXPERIENCE**

| | | |
|--------------------------------------|---|--|
| Dates (from - to) | 2019 – up to now | |
| Occupation or position held | Assistant Professor | |
| Main activities and responsibilities | Assistant Professor at the undergraduate and graduate studies | |
| Name and address of employer | Faculty of Civil Engineering, University of Mostar, Matice hrvatske bb, 88000 Mostar, Bosnia and Herzegovina | |
| Type of business or sector | Transportation engineering | |
| Dates (from - to) | 2008 – 2019 | |
| Occupation or position held | Senior Assistant | |
| Main activities and responsibilities | Assistant at the undergraduate and graduate studies | |
| Name and address of employer | Faculty of Civil Engineering, University of Mostar, Matice hrvatske bb, 88000 Mostar, Bosnia and Herzegovina | |
| Type of business or sector | Transportation engineering | |
| Dates (from - to) | 2005 – up to now | |
| Occupation or position held | Assistant | |
| Main activities and responsibilities | Assistant at the undergraduate and graduate studies | |
| Name and address of employer | Faculty of Civil Engineering, University of Mostar, Matice hrvatske bb, 88000 Mostar, Bosnia and Herzegovina | |
| Type of business or sector | Transportation engineering | |



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**EDUCATION AND
TRAINING**

| | |
|-------------|---|
| Title | Doctor of Philosophy (Ph.D) in Engineering Sciences |
| Date | May 2018 |
| Institution | Faculty of Civil Engineering, Architecture and Geodesy, University of Split |
| Place | Split (Croatia) |
| Title | Master of Science in Civil Engineering |
| Date | October 2000 - December 2004 |
| Institution | Faculty of Civil Engineering, University of Mostar |
| Place | Mostar (Bosnia and Herzegovina) |

**PERSONAL SKILLS
AND COMPETENCES**

| | |
|--------------------|-----------|
| Mother tongue | Croatian |
| Other language(s) | |
| Language | English |
| Listening | Very good |
| Reading | Very good |
| Spoken interaction | Very good |
| Spoken production | Very good |
| Writing | Very good |

| | |
|--|---|
| SOCIAL SKILLS AND COMPETENCES | Team work |
| COMPUTER SKILLS AND COMPETENCES | MS Office, Civil 3d, AutoCAD, AutoTrack, PLATEIA, HCS, SIDRA, CORSIM, Vissim, HDM-4 |
| OTHER SKILLS AND COMPETENCES | Good organizational skills acquired through many years of working with students and colleagues in the scientific and research projects, conferences, symposia, etc. |
| DRIVING LICENSE | B category |
| MEMBERSHIP IN ASSOCIATIONS | ALUMNI of the Faculty of Civil Engineering, University of Mostar HDAGI |
| ATTACHMENTS | 1.) Scientific-research projects 2.) Projects, studies, etc. 3.) Scientific and professional papers |

HANDWRITTEN SIGNATURE



1) Scientific-research projects

Estimating Percent Time Spent Following on two-lane rural highways, Scientific-research project for PhD thesis, Faculty of Civil Engineering University of Mostar, Mostar 2017

2) Professional projects and studies

Preliminary design of the Wind Farm Široka Draga Livno, access roads and plateaus of WF Široka Draga, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2018, Project manager and responsible designer

Main design of the roundabout on the Regional road R-420 Privalj – Grude (intersection of the streets G. Šuška and B. Zadre), Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2018, Responsible designer

Main design of the road Blaževići - Krenica, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2018, Responsible designer

Main design of the roundabout in Vionica, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2018, Responsible designer

Main design of reconstruction of Magistral road M-17.3; section: connection to R-426 - cross-section Hutovo on the new section of Magistral road M-17.3, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2018, Responsible designer

Preliminary design of Regional road R-426 Hutovo – Ravno (cross-section near Dobri Do), Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2018, Responsible designer

Review of the main design of a recycling center with a transfer station in Grude Municipality, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2017, Reviewer

Review of the main design of widening of Apron I – Mostar Airport, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2017, Reviewer

Federation BH Transport Strategy, PricewaterhouseCoopers d.o.o. Sarajevo, 2016, Expert Consultant

Conceptual design of widening of Taxiways – Mostar Airport, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2016, Responsible designer

Review of the main design of the roundabout in Međugorje (Tromeđa - Čitluk - Church – Bypass), Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2016, Reviewer



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Review of the main design of the motorway on the Corridor Vc; section Mostar Jug - Počitelj, subsection Buna – Počitelj (km 11+100 do km 15+420), Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar and Faculty of Civil Engineering University "Džemal Bijedić" in Mostar, 2016, Reviewer of roads

Main design of the access road to the Memorial of Old Town Herceg Stjepan in Ljubuški, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2016, Responsible designer

Main design of roads in Dragićina, Faculty of Civil Engineering University of Mostar, 2016, Responsible designer

Feasibility study of the northern bypass of Grude, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar 2015, Expert Team Leader

Preliminary design of the northern bypass of Grude, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2015, Responsible designer

Review of the main design of Magistral road M-17.3 Neum – Stolac; section: Broćanac – Drenovac, subsection: Cerovica - Drenovac L= 13.76 km, Faculty of Civil Engineering University of Mostar, 2016, Reviewer of roads

Main design of the Wind Farm Gradina Tomislavgrad, access roads and plateaus of WF Gradina, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2015, Project manager and responsible designer

Preliminary design of the Wind Farm Gradina Tomislavgrad, access roads and plateaus of WF Gradina, Faculty of Civil Engineering University of Mostar, 2015, Project manager and responsible designer

Development of the conceptual design of irrigation of the Imotski – Bekija field, Faculty of Civil Engineering University of Mostar, 2015, Team member

Review of the main design of Magistral road M-17.3 Neum – Stolac; section: Broćanac-Drenovac, subsection: Broćanac – Hutovo - Cerovica L= 10.90 km, Faculty of Civil Engineering University of Mostar, 2015, Reviewer of roads

Conceptual design of parterre of the University of Mostar Student Center complex, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2015, Designer

Preliminary design of access road for residential and business building to R424 in Čitluk, Faculty of Civil Engineering University of Mostar and Construction Research Center Ltd. Mostar, 2015, Responsible designer

Main design of the road and parking lot (near Eronet and "Duhanska" in Grude), Faculty of Civil Engineering University of Mostar, 2015, Responsible designer

Study on assessment of needs and optimization of maintenance and rehabilitation of pavement of regional roads of the Herzegovina Neretva County/Canton by application of HDM-4 model, Faculty of Civil Engineering University of Mostar, 2015, Expert team leader



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Preliminary design for rehabilitation of the road M17 – Čole – Lager, IGH Mostar, 2014, Responsible designer

Reconstruction of major roads - construction of climbing lane; Lot 4: M14.2 Bosanski Petrovac – Drvar - Grahovo, L= 10 km, Integra and the Faculty of Civil Engineering University of Mostar, 2015, Designer

Review of the main design of the motorway on the Corridor Vc; section Počitelj – Bijača, subsection Počitelj – Zvirovići, km 46+200 – km 57+100, Faculty of Civil Engineering University of Mostar and Faculty of Civil Engineering University "Džemal Bijedić" in Mostar, 2015, Reviewer of roads

Traffic design study for future development of Grude, Faculty of Civil Engineering University of Mostar, 2014, Responsible designer

Main design of the Wind Farm Debelo Brdo on Kupres, access roads and plateaus of WF Debelo Brdo, Faculty of Civil Engineering University of Mostar, 2014, Project manager and responsible designer

Preliminary design of the Wind Farm Debelo Brdo on Kupres, access roads and plateaus of WF Debelo Brdo, Faculty of Civil Engineering University of Mostar, 2014, Project manager and responsible designer

Study of the transport road "Gornja Srnotača", Faculty of Civil Engineering University of Mostar, 2014, Responsible designer

Conceptual design of the roundabout connecting Fra Dominika Mandića Street with the major road M6.1 (Široki Brijeg), Faculty of Civil Engineering University of Mostar, 2014, Responsible designer

Traffic design of intersection of the streets of Fra Didaka Buntića, Kvaternikova and Fra Dominika Mandića (near the new school in Široki Brijeg), Faculty of Civil Engineering University of Mostar, 2014, Responsible designer

Main design of the roundabout for intersection of the streets Fra Didaka Buntića, Kvaternikova and Fra Dominika Mandića (near the new school) in Široki Brijeg, Faculty of Civil Engineering University of Mostar, 2014, Responsible designer

Detailed design of pavement structure on the Corridor Vc; subsection Zvirovići - Kravice on the section Počitelj - Bijača: junction Zvirovići and route km 11+000 - km 16+000, Faculty of Civil Engineering University of Mostar, 2014, Responsible designer

Road network connection to the Zvirovići motorway junction – Main design of construction, reconstruction and rehabilitation of the regional road R425a and connection with the regional road R424, Faculty of Civil Engineering University of Mostar, 2013, Responsible designer

Preliminary design with geodetic works for connection of the regional road network to the Zvirovići motorway junction, Faculty of Civil Engineering University of Mostar, 2013, Responsible designer



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Review of project documentation "Extension of 'Bulevar' - industrial zone South", Faculty of Civil Engineering University of Mostar, 2013, Member of the review team

Review of the main design of reconstruction of streets and intersections in Prozor, Faculty of Civil Engineering University of Mostar, 2013, Member of the review team

Review of the main design of Jelovača –Tomislavgrad Wind Farm construction, 36 MW, Faculty of Civil Engineering University of Mostar, 2013, Member of the review team

Review of the main design of expressway route, section Lašva - Donji Vakuf, Faculty of Civil Engineering University of Sarajevo and Faculty of Civil Engineering University of Mostar, 2014, Member of the review team

Review of the main design of the motorway route on the Corridor Vc, section Konjic-Tarčin, Faculty of Civil Engineering University of Sarajevo and Faculty of Civil Engineering University of Mostar, 2014, Member of the review team

Review of the preliminary design of expressway route, section Lašva - Donji Vakuf, Faculty of Civil Engineering University of Sarajevo and Faculty of Civil Engineering University of Mostar, 2011, Member of the review team

Main design of the tunnel "Jasen" bypass on the major road M16.2, IGH Mostar, 2011, Responsible designer

Main design of reconstruction of the intersection of the local road Grude – Dragičina and regional road R420, AS Project, 2011, Responsible designer

Conceptual design of road junctions on the expressway Mostar - Grude - Široki Brijeg - Croatian border, INTEGRA Mostar, 2010, Associate designer

Main design of reconstruction of the road section Grude – Dragičina, UNOPROJEKT d.o.o. Grude, 2010, Associate designer

Traffic design of the regional road R419a section Lipa – Svinjača, HERING d.d. Široki Brijeg, 2009, Responsible designer

Main design of the regional road R419a section Lipa – Svinjača, HERING d.d. Široki Brijeg, 2009, Responsible designer

Conceptual design of the regional road R419a section Svinjača – Blidinje, HERING d.d. Široki Brijeg, 2009, Responsible designer

Main design of the footpath on the major road M6.1, section: from Polog Elementary School toward Široki Brijeg, Faculty of Civil Engineering University of Mostar, 2009, Associate designer

Main design of the intersection of A.Starčevića Street and Don R. Jerkovića Street and the intersection of the streets of A. Starčevića, K. Zvonimira and Matice hrvatske (roundabouts), Arhitektura i graditeljstvo Goluža d.o.o., 2009, Associate designer



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Main design of the regional road no. 6223, section Blato – Prižba, Arhitektura i graditeljstvo Goluža d.o.o., 2008, Associate designer

Spatial and traffic study of the road network of the Herzegovina Neretva County/Canton, Faculty of Civil Engineering University of Mostar, 2006, Team member

Spatial and traffic study of the road network of the West Herzegovina County, Faculty of Civil Engineering University of Mostar, 2006, Team member

Interchange of the roads M17 and M6 in Čapljina, Traffic analysis and conceptual designs, INTEGRA Mostar 2005, Associate designer

3) List of scientific and professional papers

A. Papers published in proceedings of international scientific symposia

Čutura, B., Cvitanić, D., Lovrić, I.,
Estimating percent-time-spent-following on twolane rural roads,
Građevinar, 70 (7), 563-570, doi: <https://doi.org/10.14256/JCE.2240.2017>

Čutura, B.,
Problem of estimating trip generation in cities - example of Mostar,
"5th International Summer School URBAN MOBILITY, Palermo 2018.

Čutura, B., Cvitanić, D., Lovrić, I.,
Application of passing sight distance in road design,
5th International Conference on Road and Rail Infrastructure (CETRA 2018), Zadar 2018.

Čutura, B., Lovrić, I., Šarić, A.,
Optimal road planning and designing on example of the bypass,
Third Serbian Congress on Roads, Belgrade 2018.

Čutura, B.,
Level of services on two-way rural roads,
Fifth conference of young researchers in the field of civil engineering and related engineering sciences - Common Foundations, Zagreb 2017.

Čutura, B., Mladenović, G., Mazić, B., Lovrić, I.,
Application of the HDM-4 Model on Local Road Network: Case Study of the Herzegovina-Neretva Canton in Bosnia and Herzegovina,
6th Transport Research Arena, Warsaw 2016.

Čutura, B.,
Additional lane on rural two-lane two-way highways,
"4th INTERNATIONAL SUMMER SCHOOL MARIBOR 2016: Modern Traffic Infrastructure and Equipment", Maribor 2016.

Lovrić, I., Čutura, B., Maslač D.,
Problems of crossfall changeover for reversed crossfalls
4th International Conference on Road and Rail Infrastructure (CETRA 2016), Šibenik 2016



Čutura, B., Lovrić, I., Maslač, D.,

Additional lane on two-lane two-way highways - problem of existing guidelines,
Second Serbian Congress on Roads, Belgrade 2016.

Lovrić, I., Čutura, B., Maslač, D.,

Microsimulation of traffic in cities - example of Mostar,
Sixth Croatian Congress on Roads, Opatija 2015.

Mazić, B., Lovrić, I., Čutura, B., Mandić, A.,

Traffic analysis in the design of asphalt pavement structures,
Put i saobraćaj II/2015, Belgrade 2015.

Čutura, B., Mazić, B., Lovrić, I.,

Review of dimensioning of flexible pavement structures in European and local regulations
First Serbian Congress on Roads, Belgrade 2014.

Čutura, B.,

Additional lane on two-lane two-way roads,

Second conference of young researchers in the field of civil engineering and related engineering sciences - Common Foundations, Rijeka 2014.

Lovrić, I., Čutura, B., Maslač, D.,

Road linking on the route Mostar - Split,
Fifth Croatian Congress on Roads, Cavtat 2011.

Čutura, B., Rotim, M.,

Visibility in vertical curves,

International scientific and professional conference GNP 2008, Žabljak 2008.

B. Papers published in proceedings of local scientific symposia

Lovrić, I., Čutura, B., Maslač, D., Rotim, M.,

Some solutions for upgrading road networks in B&H,
Fifth B&H Congress on Roads, Sarajevo 2016.

Bajić, M., Čutura, B., Lovrić, I.

Interchange Počitelj – Directional T interchange (Master thesis),

Electronic proceedings of Faculty of civil Engineering University of Mostar No. 12, ISSN 2232-9080, Mostar 2016.

Lovrić, I., Maslač, D., Čutura, B.,

Technical groups of roads in B&H Rules,
Forth B&H Congress on Roads, Sarajevo 2014.

Lovrić, I., Čutura, B., Maslač, D.,

Pavement widening in a horizontal curve - a reference to the B&H rules
Third B&H Congress on Roads, Sarajevo 2012.



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Lovrić, I., Maslač, D., Čutura, B.,
Traffic Roundabouts in B&H,
Third B&H Congress on Roads, Sarajevo 2012.

Lovrić, I., Čutura, B., Palameta, D.
Dual function of urban bypasses - potential solutions of the Stolac bypass as a link of arterial roads,
Second B&H Congress on Roads, Sarajevo 2009.

Lozić, I., Lovrić, I., Čutura, B.,
Linking of the Herzegovina road network with the Adriatic-Ionian Highway,
First B&H Congress on Roads, Sarajevo 2007.

Lovrić, I., Čutura, B., Rotim, M.
Mutual influence of highways and the road network of lower service levels in Herzegovina,
First B&H Congress on Roads, Sarajevo 2007.