

## OSOBNE INFORMACIJE



## Senad Medić

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Spol M | Datum rođenja 09/02/1980 | Državljanstvo BiH

## RADNO ISKUSTVO

2018 – Docent

2014 – 2018 Viši asistent

2006 – 2014 Asistent

Univerzitet u Sarajevu, Građevinski fakultet, Patriotske lige 30, 71 000 Sarajevo, Bosna i Hercegovina,  
[www.gf.unsa.ba](http://www.gf.unsa.ba)

▪ Odsjek za konstrukcije – Betonske i zidane konstrukcije, Modeliranje konstrukcija

Sektor Obrazovanje i naučno-istraživački rad

2006 – Stručni saradnik

Institut za materijale i konstrukcije Građevinskog fakulteta Univerziteta u Sarajevu, Stjepana Tomića 5, 71 000 Sarajevo, Bosna i Hercegovina

▪ Stručni saradnik – Projektovanje, nadzor i ispitivanje građevinskih konstrukcija (visokogradnja, mostovi)

Sektor Građevinska industrija

## OBRAZOVANJE I OSPOSOBLJAVANJE

2010 – 2018 Doktor tehničkih nauka

Univerzitet u Sarajevu, Građevinski fakultet

1999 – 2006 Diplomirani inženjer građevinarstva

Univerzitet u Sarajevu, Građevinski fakultet, Odsjek za konstrukcije

26.03.2009. Stručni ispit, oblast građevinarstvo, smjer konstrukterski

Federalno ministarstvo prostornog uređenja

## OSOBNE VJEŠTINE

Maternji jezik Bosanski

Ostali jezici

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna interakcija	Govorna produkcija	
Engleski	C1	C1	C1	C1	C1
Njemački	B2	B2	B2	B2	B2

## Digitalne vještine

SAMOPROČJENA				
Obrada informacija	Komunikacija	Stvaranje sadržaja	Sigurnost	Rješavanje problema
Samostalni korisnik				

Programi za statičko i dinamičko modeliranje konstrukcija i čvrstih tijela: DIANA FE; SAP2000nl, Tower 8, Matlab, Fortran; Microsoft Office paket, AutoCad

## Vozačka dozvola

B

## DODATNE INFORMACIJE

[Projekti](#)  
[Konferencije](#)  
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[Certifikati](#)

- Stipendije i nagrade
  - Zlatna značka Univerziteta u Sarajevu (01.07.2006.)
  - Fulbright Visiting Scholar, University of Houston, TX, USA, 2010 – 2011
  - University of Zagreb, Faculty of Civil Engineering, PhD Student, 2007 – 2008
  - DAAD Austausch Student, Universität Stuttgart/ILEK - Institut für Leichtbau, Entwerfen und Konstruieren, Apr 2005 – Jun 2005
  - Student, Fakultät für Bauingenieurwesen, Technische Universität Wien, 2001 – 2002 (Whalen Family Foundation Scholarship)
- Članstvo u stručnim udruženjima:
  - Udruženje građevinskih inženjera konstruktera u BiH
  - Central European Association for Computational Mechanics
  - Hrvatsko društvo za mehaniku
  - Tehnički komitet za uvođenje Eurokodova BAS/TC 61– Projektovanje betonskih i zidanih konstrukcija (Institut za standardizaciju BiH)
- Sudjelovanje i vođenje projekata
  - Erasmus + Capacity Building in Higher Education „Promoting academia-industry alliances for R&D through collaborative and open innovation platform“ (2019 – 2021, grant agreement 2018 – 3234/001-001)
  - Seizmička otpornost postojećih zidanih zgrada, podrška FMON UNSA-i, odjeljenje Tehničke nauke, 2016 (u suradnji s Institutom za lake konstrukcije i konceptualno projektovanje ILEK Univerziteta u Stuttgartu), broj ugovora 05-39-3087-6/16 od 3.11.2016.
- Predavanja
  - Seizmička otpornost zidova od pun opeke: eksperimentalna ispitivanja i numerički modeli, Građevinski i arhitektonski fakultet u Osijeku/Hrvatsko društvo za mehaniku, pozivno predavanje, 11.10.2019.
  - Finite element modeling of masonry walls, ECCOMAS 2019 4<sup>th</sup> International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, keynote lecture, 20.09. 2019.
- Realizovani stručni projekti – prilog
- Objavljeni radovi – prilog
- Usavršavanja - prilog

## PRILOZI

**Realizovani stručni projekti**

- Elaborat o ispitivanju karakteristika intaktne stijene sa lokacije dovodnog tunela HE Ulog, Synohydro Corporation Limited, razrađivač, 2021
- Elaborat o probnom ispitivanju mosta preko rijeke Vogošće, Termo-beton doo, glavni razrađivač, 2021
- Elaborat o probnom ispitivanju mosta M13 na magistralnoj cesti M-18, dionica Kladanj-Podpklenik, ŽGP dd, glavni razrađivač, 2021
- Stručno mišljenje o stanju temelja sportske dvorane u Babinom Dolu na Bješnici, Trnovo, Almy-Transport doo, glavni razrađivač, 2020.
- Stručno mišljenje o stanju objekta Relax Centra u Babinom Dolu na Bješnici, Trnovo, Almy-Transport doo, glavni razrađivač, 2020.
- Stručno mišljenje o stanju administrativne zgrade u Babinom Dolu na Bješnici, Trnovo, Almy-Transport doo, glavni razrađivač, 2020.
- Elaborat o ispitivanju nosivosti stropne konstrukcije za novo opterećenje od razvodnih ormara na objektu pumpna stanica „Izvođište Baćevac“, Deling doo, glavni razrađivač, 2020
- Elaborat o probnom ispitivanju glavnih nosača sportske dvorane u Babinom Dolu na Bjelašnici, Trnovo, Inžinjerijski doo, glavni razrađivač, 2020
- Revizija glavnog projekta sportske dvorane u Babinom Dolu na Bjelašnici, Trnovo, revident konstruktivne faze, 2020
- Elaborat o stanju objekta O-4, kasarna Rajlovac, Sarajevo, Ministarstvo odbrane BiH, glavni razrađivač, 2020
- Elaborat o probnom ispitivanju mosta Bradina, Euro-Asfalt doo, glavni razrađivač, 2020.
- Elaborat o probnom ispitivanju fasadnog sklopa na objektu OŠ „Umihana Ćuvadina“, Sarajevo, Ekoteh doo, glavni razrađivač, 2020.
- Elaborat o ispitivanju krovne konstrukcije za objekat „Dvorana Istočno Sarajevo“, Jokić-Invest, glavni razrađivač, 2020
- Elaborat o ispitivanju probnim opterećenjem krovne konstrukcije istočne tribine stadiona Grbavica, Sarajevo, FK Željezničar, glavni razrađivač, 2020
- Analiza armiranobetonske horizontalne konstrukcije iznad prizemlja – grede poz 2019, stručno mišljenje, ZIN-INVEST, 2019
- Elaborat o probnom ispitivanju druskog mosta preko rijeke Goruše u mjestu Loznik, Općina Visoko, Termo-Beton doo, glavni razrađivač, 2019
- Elaborat o probnom ispitivanju krovne konstrukcije za objekat fiskulturna dvorana OŠ „Umihana Ćuvadina“, Sarajevo, Grading KGM, glavni razrađivač, 2019
- Elaborat o probnom ispitivanju pješačkog mosta preko rijeke Željeznice kod OBI-ja, Ilidža, Pont doo, glavni razrađivač, 2019
- Elaborat o uticaju aktivnosti AMZ na pucanje zidova stambenih objekata u neposrednoj blizini pogona Čeličana, ArcelorMittal Zenica, glavni razrađivač, 2019
- Elaborat o ispitivanju konstrukcije za objekat „Kongresna dvorana Ilidža“, Canbos, glavni razrađivač, 2019
- Nova linija TGA, ArcelorMittal Zenica, odgovorni projektant, 2019
- Tankvana oko skladišnih tankova katrana, ArcelorMittal Zenica, projektant saradnik, 2019
- Elaborat o ispitivanju kapaciteta nosivosti konstrukcije u cilju sigurnog postavljanja kontra tereta za montažu balona na Stadionu za brzo klizanje Zetra, SF Valter, glavni razrađivač, 2019
- Garaža Visoko, Općina Visoko, odgovorni projektant, 2019
- Nadzor nad izvođenjem radova na Rudnom dvoru, ArcelorMittal Zenica, saradnik, 2018
- Naknadni dokaz kvaliteta ugrađenog betona u nosivu konstrukciju objekta kso „04“, Zlokovac, Tuzla, SAGRA Gračanica, saradnik, 2018
- Hodna staza na Aglomeraciji, ArcelorMittal Zenica, odgovorni projektant, 2018
- Elaborat o ispitivanju nosivosti stubova na horizontalna opterećenja na zidu za zaštitu od buke E7-8 na poddionici autoputa Drivuša-Klopče, CONING, glavni razrađivač, 2018
- Elaborat stanja konstrukcije silosa za ugljenu mješavinu u krugu AMZ, ArcelorMittal Zenica, saradnik, 2018
- Projekt sanacije ventilatorskog hladionika prljavog ciklusa PS-2, ArcelorMittal Zenica, odgovorni projektant i nadzor, 2018
- Elaborat i ispitivanju betonskih distancer za armaturu, Velbos, glavni razrađivač/voditelj ispitivanja, 2018
- Studija o stanju i stepenu oštećenja u željezari ArcelorMittal Zenica, ArcelorMittal Zenica, saradnik,

2017/2018

- Elaborat o probnom ispitivanju drumskog mosta Pergola, Sarajevo, ŽGP Sarajevo, glavni razrađivač/voditelj ispitivanja, 2017
- Elaborat o probnom ispitivanju drumskog mosta preko rijeke Tilave u mjestu Ilijža, Općina Ilijža, glavni razrađivač/voditelj ispitivanja, 2017
- Elaborat o o ispitivanju probnim opterećenjem konstrukcije istočne tribine Stadiona Grbavica u Sarajevu, FK Željezničar, glavni razrađivač/voditelj ispitivanja, 2017
- Elaborat o naknadnom ispitivanju kvaliteta ugrađenog betona i ispitivanju probnim opterećenjem AB kolosječne ploče u tunelu Ivan, Generale Construzioni Ferroviarie S.p.A i Hering dd, glavni razrađivač/voditelj ispitivanja, 2017
- Elaborat o ispitivanju šipa na mostu Tilava na Ilijži, Debos, glavni razrađivač/voditelj ispitivanja, 2016
- Elaborat o o ispitivanju kvaliteta nosive konstrukcije objekta „Hipermarket“, Alipašino Polje u Sarajevu, Gadžo Comerc, glavni razrađivač/voditelj ispitivanja, 2016
- Projekat sekundarne obloge hidrotehničkog tunela Ribnica, Rudnik mrkog uglja Kakanj, JP EPBiH, glavni projektant, 2016
- CS Anchor Flanges, Bosna Petroleum Company (za Brega Petroleum Marketing Company, Libija), glavni projektant, 2016
- Skid mounted equipment for electrochlorination system (Umm Al Houl Power IWPP, Qatar), SIMECO SYSTEMS, glavni projektant, 2016
- Projekat sanacije portalnog kraha „Demag“, Rudni dvor, ArcelorMittal Zenica, projektant saradnik, 2016
- Elaborat o ispitivanju pokretnе skele za pregled mostova, Prokrom Edelstahl, voditelj ispitivanja, 2016
- Projekat konstrukcije pumpne stanice „Potočani“, Odžak, Općina Odžak, glavni projektant, 2016
- Elaborat o ispitivanju konstrukcije pješačkog mosta Halilovići, Džekos, glavni razrađivač/voditelj ispitivanja, 2016
- Studija izvodljivosti hidroelektrane Babino Selo – Program geoloških istražnih radova, Pöry Energy GmbH i JP EPBiH, saradnik, 2015/2016
- Projekat sanacije AQUA CITY, Slobomir, Bijeljina, Slobomir, saradnik, 2015/2016
- Elaborat o stanju i stepenu oštećenja AQUA CITY, Slobomir, Bijeljina, Slobomir, saradnik, 2015
- Program for testing of micropiles R51 N, Dimov Consulting, glavni razrađivač, 2015
- Projekat sanacije konstrukcije Rudnog dvora, ArcelorMittal Zenica, projektant saradnik, 2015
- Elaborat o stanju izvoznog tornja „Sretno“ u RMU Breza, RMU Breza, saradnik, 2015
- Revizija Glavnog projekta građevinske jame za izgradnju poslovнog objekta „AGRAM“, Bihać, ŽGP Sarajevo, saradnik, 2015
- Ispitivanje probnim opterećenjem balkonskih ploča na rekonstrukciji objekta A i B u ulici Džemala Bijedića br.160 u Sarajevu, MS Wood, saradnik, 2015
- Elaborat o uzrocima pojave procjeđivanja vode u dijelu stropnih ploča „Importanne Centra“ u Sarajevu, Importanne doo, saradnik, 2014
- Revizija – objekti na brzoj cesti Lašva-Nević polje, JP FbIH, saradnik, 2014
- Elaborat o tehničkom rješenju objekata i opreme za stabilan rad HE Vranduk, JP EPBiH, saradnik, 2014
- Projekat sanacije brane na rijeci Bosni u Zenici, ArcelorMittal Zenica, saradnik, 2013
- Osnovna škola ANEKS, Sarajevo, Zavod za izgradnju Kantona Sarajevo, revident, 2013
- Projekat konstrukcije za novo elektro-postrojenje na aerodromu El-Sharara, Libija, Akakus Oil Operations, Libija, glavni projektant, 2013
- Projekat konstrukcije temelja sa stubom za kačenje ratraka na Bjelašnici, ZOI 84, glavni projektant, 2013
- Studija o stanju i stepenu oštećenja u željezari ArcelorMittal Zenica, saradnik, 2012
- Projekat Akumulacija II, Bjelašnica, voditelj – nadzor, 2012
- Elaborat o stanju i stepenu oštećenja objekta Uprave za indirektno oporezivanje u Mostaru, Uprava za indirektno/neizravno oporezivanje BH, glavni razrađivač, 2012
- Projekat rekonstrukcije džamije Arnaudija u Banjaluci, Islamska zajednica BH, glavni projektant, 2011
- Nadzor na izvedbi konstruktivne faze projekta Al-Shiddi na Marin Dvoru, Ans-Drive, saradnik, 2010/2011
- Structural Design of Yarmouk Theatre, Tripoli, Libya, ECOU, saradnik, 2010
- Structural Design of South Gheran Park Facilities, Tripoli, Libya, ECOU, saradnik, 2009
- Projekat sanacije i rekonstrukcije objekta Bosna Reosiguranje, Bosna Reosiguranje, saradnik, 2009
- Konstruktivni projekt internacionalnih graničnih prijelaza Karakaj, Rača, Zupci, Klobuk, Šamac i Jasenovac, Evropska komisija, saradnik, 2008/2009

- Konstruktivni projekat poslovnog centra Grawe 1/Grawe 2, Grazer Wechselseitige, saradnik, 2008/2009
- Primary School, Kashmir, Pakistan, Merhamet BH, saradnik, 2008
- Projekat zaštitne čelične konstrukcije za rolo – presu sa transporterima u Kaknju, Heidelberg Cement Group, saradnik, 2008
- Elaborat o ispitivanju nosive konstrukcije mosta preko rijeke Vrbas, Bugojno, Hering, saradnik, 2008
- Projekat sanacije stambenog objekta u ulici Trnovska 9, Sarajevo, Općina Novo Sarajevo, saradnik, 2008
- Glavni projekat konstrukcije franjevačkog samostana Petrićevac, Banjaluka, Banjalučka biskupija, saradnik, 2007
- Projekat sanacije stubova i kranskih staza sa pratećom nosivom čeličnom konstrukcijom u halama i, ii, xa, xб, xi, xii, xiiб i xiii sitne pruge departmana valjaonice Mittal Steel., Mittal Steel, saradnik, 2007
- Projekat sanacija čelične konstrukcije Energane Natron Hayat, Natron Hayat, saradnik, 2007
- Projekt sanacije Energoinvestove stanice za ispitivanje dalekovodnih stubova, Energoinvest, saradnik, 2006
-

## PRILOZI

**Naučni i stručni radovi**

- Džanić, Z., Hrasnica M., Medić, S. (2021). Optimization of the reinforced concrete structural systems under seismic load. Proceedings of the 1st Croatian Conference on Earthquake Engineering - 1CroCEE, 22 - 24 March 2021, Zagreb, Croatia. Eds. Lakušić, S., Atalić, J. University of Zagreb, Faculty of Civil Engineering, Zagreb, Croatia. DOI: <https://doi.org/10.5592/CO/1CroCEE.2021.102>
- Kadić, A., Medić, S., Penava, D. (2021). Macromodel of RC frame with masonry infill for detailed assessment of structural performance. Proceedings of the 1st Croatian Conference on Earthquake Engineering - 1CroCEE, 22 - 24 March 2021, Zagreb, Croatia. Eds. Lakušić, S., Atalić, J. University of Zagreb, Faculty of Civil Engineering, Zagreb, Croatia. DOI: <https://doi.org/10.5592/CO/1CroCEE.2021.105>
- Hodžić, E., Medić, S., Hrasnica, M. (2021). Experimental versus numerical response of RC walls subjected to earthquake loading. Proceedings of the 1st Croatian Conference on Earthquake Engineering - 1CroCEE, 22 - 24 March 2021, Zagreb, Croatia. Eds. Lakušić, S., Atalić, J. University of Zagreb, Faculty of Civil Engineering, Zagreb, Croatia. DOI: <https://doi.org/10.5592/CO/1CroCEE.2021.106>
- Kaloper, E., Živalj, E., Medić, S. (2021). Experimental and numerical assessment of reinforced concrete column under cyclic loading. Proceedings of the 1st Croatian Conference on Earthquake Engineering - 1CroCEE, 22 - 24 March 2021, Zagreb, Croatia. Eds. Lakušić, S., Atalić, J. University of Zagreb, Faculty of Civil Engineering, Zagreb, Croatia. DOI: <https://doi.org/10.5592/CO/1CroCEE.2021.116>
- Hrasnica, M., Medić, S. (2021). Seismic response of unreinforced masonry buildings from 1950's. Proceedings of the 1st Croatian Conference on Earthquake Engineering - 1CroCEE, 22 - 24 March 2021, Zagreb, Croatia. Eds. Lakušić, S., Atalić, J. University of Zagreb, Faculty of Civil Engineering, Zagreb, Croatia. DOI: <https://doi.org/10.5592/CO/1CroCEE.2021.137>
- Kadić, A., Medić, S., Penava, D. (2020). Makromodel armiranobetonskog okvira s ispunskim zidom, Zbornik radova Desetog susreta Hrvatskog društva za mehaniku, Urednici: Damjanović, D., Kozak, D., Konjatić, P., Katinić, M., Slavonski Brod, Hrvatska, 01-02.10.2020., ISSN 1846-9701,
- Hrasnica, M., Medić, S. (2020). Structural versus aesthetical concerns in reconstruction of historical masonry buildings, IABSE Symposium, 7-8 Oct 2020, Wrocław, Poland. Eds. Bień J., Biliszczuk J., Hawryszkow P., Hildebrand M., Knawa-Hawryszkow M., Sadowski K., ISBN: 978-3-85748-169-7
- Suljević, S., Medic, S., Hrasnica, M. (2020). Thermo-mechanical analysis of reinforced concrete slab using different fire models. *Coupled Systems Mechanics*, 9(2), 163-182, <https://doi.org/10.12989/csm.2020.9.2.163>
- Skejić, A., Medić, S., Ivšić, T. (2020). Numerička istraživanja interakcije geomreža/mrežastih armatura i nekoherentnog zaspina u pokusu izvlačenja , GRAĐEVINAR, 72 (3), 237-252, doi: <https://doi.org/10.14256/JCE.2668.2019>
- Simonović G., Medić J., Medić S., Selimotić M. (2020) Problem of opening in a cylindrical silo. 7th international conference „Civil engineering – science and practise“, GNP 2020 Proceedings – Book of Abstracts. University of Montenegro, Faculty of Civil Engineering, Podgorica, Montenegro. Kolašin, Montenegro, 10-14 March 2020, ISBN 978-86-82707-32-5, COBISS.CG-ID 40381456
- Džanić Z., Hrasnica M., Medić S., Biberkić F. (2020) Optimized behaviour of vertically irregular frames under seismic load. 7th international conference „Civil engineering – science and practise“, GNP 2020 Proceedings – Book of Abstracts. University of Montenegro, Faculty of Civil Engineering, Podgorica, Montenegro. Kolašin, Montenegro, 10-14 March 2020, ISBN 978-86-82707-32-5, COBISS.CG-ID 40381456
- Džanić Z., Hrasnica M., Medić S., Biberkić F. (2020) Seismic performance of large lightly reinforced walls. 7th international conference „Civil engineering – science and practise“, GNP 2020 Proceedings – Book of Abstracts. University of Montenegro, Faculty of Civil Engineering, Podgorica, Montenegro. Kolašin, Montenegro, 10-14 March 2020, ISBN 978-86-82707-32-5, COBISS.CG-ID 40381456
- Suljević S., Medić S., Hrasnica M. (2020) Behavior of Concrete Structures Under the Action of Elevated Temperatures. In: Avdaković S., Mujčić A., Mujezinović A., Uzunović T., Volić I. (eds) Advanced Technologies, Systems, and Applications IV -Proceedings of the International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies (IAT 2019). IAT 2019. Lecture Notes in Networks and Systems, vol 83. Springer, Cham, [https://doi.org/10.1007/978-3-030-24986-1\\_20](https://doi.org/10.1007/978-3-030-24986-1_20)
- Medić S., Hrasnica M. (2019) Finite element modeling of masonry walls, Proceedings/ 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, September 19-20, 2019, Eds. Ibrahimbegović A. et al. Faculty of Civil Engineering, University of Sarajevo 2019 ISBN 978-9958-638-57-2

- Medić S., Živalj E., Biberkić F., Hrasnica M., Zlatar M. (2019) Analysis of reinforced concrete beam subjected to cyclic loading, Procedeedings/ 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, September 19-20, 2019, Eds. Ibrahimbegović A. et al. Faculty of Civil Engineering, University of Sarajevo 2019 ISBN 978-9958-638-57-2
- Džanić Z., Medić S. (2019) Stability analysis and post critical behavior of topology optimized structure, Procedeedings/ 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, September 19-20, 2019, Eds. Ibrahimbegović A. et al. Faculty of Civil Engineering, University of Sarajevo 2019 ISBN 978-9958-638-57-2
- Džanić Z., Hrasnica M., Medić S. (2019) Optimal response of structures under earthquake loading, Procedeedings/ 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, September 19-20, 2019, Eds. Ibrahimbegović A. et al. Faculty of Civil Engineering, University of Sarajevo 2019 ISBN 978-9958-638-57-2
- Hrasnica M., Džanić Z., Medić S. (2019) Nonlinear pushover and time history analysis of reinforced concrete wall, Procedeedings/ 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, September 19-20, 2019, Eds. Ibrahimbegović A. et al. Faculty of Civil Engineering, University of Sarajevo 2019 ISBN 978-9958-638-57-2
- Hrasnica M., Medić S., Hodžić E. (2019) Experimental versus numerical response of r.c.walls subjected to earthquake loading, Procedeedings/ 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, September 19-20, 2019, Eds. Ibrahimbegović A. et al. Faculty of Civil Engineering, University of Sarajevo 2019 ISBN 978-9958-638-57-2
- Suljević S., Medić S., Hrasnica M. (2019) Structural analysis of reinforced concrete slab under fire loading, Procedeedings/ 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, September 19-20, 2019, Eds. Ibrahimbegović A. et al. Faculty of Civil Engineering, University of Sarajevo 2019 ISBN 978-9958-638-57-2
- Madžarević M., Medić S., Zlatar M. (2019) Behavior of bond between reinforcement and high strength concrete, Procedeedings/ 4th International Conference on Multi-scale Computational Methods for Solids and Fluids, Sarajevo, September 19-20, 2019, Eds. Ibrahimbegović A. et al. Faculty of Civil Engineering, University of Sarajevo 2019 ISBN 978-9958-638-57-2
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