

ame of teacher:		Bojan Crnković
Employed at: Since zaposlenja:	University of Rijeka, Department of 01.12.2003.	
Znanstveno-nastavno/nastavno zvanje: Datum zadnjeg izbora: Grana, područje izbora:	associate professor 2020 numerical mathematics, mathematics, natural sciences	
e-mail address, web page	bojan.crnkovic@uniri.hr , https://portal.uniri.hr/Portfelj/1289	
Knowledge of foreign languages:	English	
Qualifications	- date of birth, nationality: 6. November 1979 - First degree obtained at: Faculty Of Philosophy, University of Rijeka (2003) - Ph.D. degree obtained at: Faculty Of Science University of Zagreb (2012) - previous employments: Faculty of Engineering, University of Rijeka (2003-2012)	
List of papers published in scientific journals	➤ Benac, Č., Arbanas, Ž., Jurak, V., Oštrić, M., Ožanić, N., "Complex landslide in the Rječina valley (Croatia): Origin and sliding mechanism", Bulletin of Engineering Geology and the Environment, Vol 64, (2005), 4; pp. 361-371. ➤ Sopta, Luka; Maćešić, Senka; Holjević, Danko; Črnjarić-Žic, Nelida; Škifić, Jerko; Družeta, Siniša; Crnković, Bojan. Tribalj dam break and floodwave propagation. Annali dell'Universita di Ferrara. 53 (2007) , 2; 405-415 ➤ Črnjarić-Žic, Nelida; Maćešić, Senka; Crnković, Bojan. Efficient implementation of WENO schemes to nonuniform meshes. Annali dell'Università di Ferrara. 53 (2007) ; 199-215 ➤ Crnković, Bojan; Kranjčević, Lado; Črnjarić-Žic, Nelida. Balanced semi-implicit Roe scheme for open channel flow equations. Annali dell'Università di Ferrara. 54 (2008), 2, 245-248. ➤ Škifić, Jerko; Črnjarić-Žic, Nelida; Crnković, Bojan. Numerical simulations of hydraulic transients in Rijeka HPP. Strojarstvo. 50 (2008) , 1; 23-30 ➤ Crnković, Bojan; Črnjarić-Žic, Nelida; Kranjčević, Lado. Improvements of semi-implicit schemes for hyperbolic balance laws applies on open channel flow equations. Computers & mathematics with applications. 58 (2009) , 2; 292-309 ➤ Črnjarić-Žic, Nelida; Crnković, Bojan; Maćešić, Senka. A numerical study of SSP time integration methods for hyperbolic conservation laws. Mathematical communications. 15 (2010) , 2; 613-633 ➤ Črnjarić-Žic, Nelida; Crnković, Bojan. High order accurate semi-implicit WENO schemes for hyperbolic balance laws. Applied mathematics and computation. 217 (2011) , 21; 8611-8629 ➤ Crnković, Bojan; Črnjarić-Žic, Nelida. Binary weighted essentially non-oscillatory (BWENO) approximation. Journal of computational and applied mathematics. 236 (2012),9 ; 2431-2451 ➤ Tina Bosner, Bojan Crnković, Jerko Škifić Tension splines with application on image resampling Mathematical communications 19 (2014), 3; 517-529	

	➤ Trifce Sandev, Zivorad Tomovski, Bojan Crnkovic Generalized distributed order diffusion equations with composite time fractional derivative Computers & Mathematics with Applications,73 (2017),6; 1028-1040, ➤ Stefan Ivić, Bojan Crnković, Igor Mezić Ergodicity-Based Cooperative Multiagent Area Coverage via a Potential Field IEEE Transactions on Cybernetics 47 (2017), 8; 1983-1993
List of publications which serve as a proof of teaching qualifications	➤ Crnković Bojan, Maćešić Senka, Črnjarić-Žic Nelida, On efficiency and accuracy of WENO schemes, 3-rd Croatian Mathematical Congres CroMC2004 Split, 2004. (izlagač Bojan Crnković) ➤ Crnković Bojan, Kranjčević Lado, Črnjarić-Žic Nelida, Balanced semi-implicit upwind schemes for open channel flow equations, 5-th Conference on Applied Mathematics and Scientific Computing, Brijuni, 2007. (izlagač Bojan Crnković) ➤ Crnković Bojan, Črnjarić-Žic Nelida, Maćešić Senka, Semi-implicit WENO schemes for the shallow water equations, 4-th Croatian Mathematical Congres CroMC2008 Osijek, 2008. (izlagač Bojan Crnković) ➤ Črnjarić-Žic Nelida, Crnković Bojan, Maćešić Senka, Practical analysis of SSP time integration methods for hyperbolic conservation laws, 6-th Conference on Applied Mathematics and Scientific Computing, Zadar, 2009. (izlagač Nelida Črnjarić-Žic) ➤ Crnković, Bojan; Črnjarić-Žic, Nelida. Polynomial weighted essentially non-oscillatory approximation, 7th Conference on Applied Mathematics and Scientific Computing, Trogir, 2011. (izlagač Bojan Crnković) ➤ Crnković, Bojan; Črnjarić-Žic, Nelida. Polynomial WENO approximation with applications, 5th Croatian Mathematical Congress, Rijeka, 2012 (izlagač Bojan Crnković) ➤ Bosner, Tina; Crnković, Bojan; Škifić, Jerko. Tension spline with application on image resampling, 8th Conference on Applied Mathematics and Scientific Computing, Zadar, 2013 (izlagač Tina Bosner) ➤ Bosner, Tina; Crnković, Bojan; Škifić, Jerko, Application of Chebyshev splines on image resampling, 6th Croatian Mathematical Congress, 2016. (izlagač Tina Bosner) ➤ Cooperative multi-agent border patrol model, Bojan Crnković, izlaganje, 6. hrvatski matematički kongres, Zagreb, 2016 (izlagač Bojan Crnković) ➤ Numerical analysis of the DSMC algorithm for multi-agent systems, Bojan Crnković, poster i prezentacija postera, 2017.4th Najman conference, Opatija, 2 ➤ Dynamic Mode Decomposition for Non-autonomus Systems, Bojan Crnković DARPA Workshop projekta: „A data driven operator theoretic framework for space-time analysis of process dynamics“ Rijeka, 5.7.2017. (izlagač Bojan Crnković) ➤ Dynamic Mode Decomposition for Non-autonomus Systems, Bojan Crnković, Izlaganje, The Fifth Najman Conference on Spectral Theory and Differential Equations,Opatija, 10-15.9.2017. (izlagač Bojan Crnković)

	➤ Lattice structure detection and refinement DMD algorithm, Bojan Crnković, Izlaganje, 61st Annual Meeting of the Australian Mathematical Society, Sydney, 12-15.12.2017. (izlagač Bojan Crnković) ➤ Fast Sweep Method For Computation of Isostables and Isochrons, Bojan Crnković, Igor Mezić, Jerko Skifić, Izlaganje, ApplMath18, Šibenik, 17-20.9-2018. (izlagač Bojan Crnković)
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Leader of the following research projects	
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Participant in the following research projects	➤ Numeričke simulacije i optimizacije strujanja fluida br. 069005, znanstveni projekt financiran od strane Ministarstva znanosti, obrazovanja i športa Republike Hrvatske, glavni istraživač red. prof. L. Sopta ➤ Numeričko modeliranje i optimizacija strujanja fluida, znanstveni projekt financiran od strane Ministarstva znanosti, obrazovanja i športa, glavni istraživač red. prof. L. Sopta ➤ 2014-2016, Modeling anomalous diffusion by generalized Langeven,Fokker-Planck equations and fractional diffusion-wave equations NEWFELPRO projekt ➤ 2016-2018,On A Data-Driven, Operator-Theoretic Framework for Space-Time Analysis of Process Dynamics Defense Advanced Research Projects Agency (SAD)
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Supervision of MSc theses	
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Supervision of PhD theses	
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Examination of MSc theses	
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Examination of PhD theses	
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