

ОСНОВНИ ПОДАЦИ

Име и презиме	Игор Савелић
Година и место рођења	28.04.1983., Крагујевац
Звање	Научни сарадник / Доцент
E-mail	isaveljic@kg.ac.rs
Образовно-научно / образовно-уметничко поље	Техничко технолошке науке
Универзитет, факултет, организациона јединица	Универзитет у Крагујевцу, Институт за информационе технологије, Департман за техничко-технолошке науке
Област и ужа научна област	Машинско инжењерство; Примењена информатика и рачунарско инжењерство

ОБРАЗОВАЊЕ

ОСНОВНЕ СТУДИЈЕ

Година	2009.
Место	Крагујевац
Институција	Машински факултет у Крагујевцу

МАСТЕР СТУДИЈЕ ИЛИ МАГИСТАРСКЕ

Година	
Место	
Институција	

ДОКТОРСКА ДИСЕРТАЦИЈА

Година	2016
Место	Крагујевац
Институција	Факултет инжењерских наука у Крагујевцу

Наслов докторске дисертације	Нумеричко решавање односа правог и лажног лумена акутне аортне дисекције
Научно звање	Научни сарадник
Област	Примењена механика и рачунарско инжењерство

СТРУЧНА БИОГРАФИЈА – ИЗБОРИ У ИСТРАЖИВАЧКА ОДНОСНО НАУЧНА ЗВАЊА

Датум избора	Институција	Звање
10.07.2015.	Факултет инжењерских наука Универзитета у Крагујевцу	Истраживач сарадник
31.01.2018.	Факултет инжењерских наука Универзитета у Крагујевцу	Научни сарадник
01.09.2021	Факултет информационах Технологија, Универзитет Метрополитан	Доцент

СТРУЧНА БИОГРАФИЈА - УСАВРШАВАЊЕ

Година	Институција	Трајање
2012	ARTreat Workshop, Атина, Грчка	5 дана
2014	SCOPE5 Workshop, Фрибург, Швајцарска	4 дана
2015	SCOPE5 Workshop, Фрибург, Швајцарска	4 дана

НАУЧНО-ИСТРАЖИВАЧКИ РАД¹

¹ Публикације и други истраживачки доприноси према важећој класификацији Министарства (Правилник о поступку, начину вредновања и квантитативном исказивању научноистраживачких резултата истраживача, www.mpn.gov.rs/wp-content/uploads/2017/03/Pravilnik-2017-preciscen-tekst.pdf) **за последње четири године;**

Списак резултата М11 Истакнута монографија међународног значаја	Број
Списак резултата М12 Монографија међународног значаја	Број
Списак резултата М13 Монографска студија/поглавље у књизи М11 или рад у тематском зборнику водећег међународног значаја	Број 2
<ol style="list-style-type: none"> 1. Nenad Filipovic, Zarko Milosevic, Igor Saveljic, Dalibor Nikolic, Milos Radovic, Computer Modeling of Stent Deployment in the Coronary Artery Coupled with Plaque Progression. In: Zivic F., Affatato S., Trajanovic M., Schnabelrauch M., Grujovic N., Choy K. (eds) <i>Biomaterials in Clinical Practice</i>, Springer, Cham, (2018). doi.org/10.1007/978-3-319-68025-5_25. 2. Igor B. Saveljic, Nenad Filipovic (2020) Aortic Dissection: Numerical Modeling, Virtual Surgery. In: <i>Computational Modeling in Bioengineering and Bioinformatics</i>, Academic Press pp 137-178, ISBN: 978-0-128-19583-3, https://doi.org/10.1016/C2017-0-03417-1 	
Списак резултата М14 Монографска студија/поглавље у књизи М12 или рад у тематском зборнику међународног значаја	Број 2
<ol style="list-style-type: none"> 1. Bojana Andjelkovic Cirkovic, Velibor Isailovic, Dalibor Nikolic, Igor Saveljic, Oberdan Parodi, Nenad Filipovic, Prediction of Coronary Plaque Progression Using Data Driven Approach, <i>Future Access Enablers for Ubiquitous and Intelligent Infrastructures</i>, Springer Cham, (2017). DOI: 10.1007/978-3-319-92213-3_33 2. Nenad Filipovic, Milos Radovic, Dalibor Nikolic, Igor Saveljic, Zarko Milosevic, Themis P. Exarchos, Gualtiero Pelosi, Dimitrios I. Fotiadis and Oberdan Parodi, Computer Predictive Model for Plaque Formation and Progression in the Artery, <i>Coronary and Cardiothoracic Critical Care: Breakthroughs in Research and Practice</i>, IGI Global (2019), DOI: 10.4018/978-1-5225-8185-7.ch012 	

Списак резултата M21a Рад у међународном часопису изузетних вредности	Број
Списак резултата M21 Рад у врхунском међународном часопису	Број 14
<ol style="list-style-type: none"> 1. Nenad Filipovic, Dalibor Nikolic, Igor Saveljic, Zarko Milosevic, Themis Exarchos, Gualtiero Pelosi and Oberdan Parodi, Computer simulation of three dimensional plaque formation and progression in the coronary artery, <i>Computers and Fluids</i>, Vol. 88, pp. 826-833. 2013, doi: http://dx.doi.org/10.1016/j.compfluid.2013.07.006. 2. Nenad Filipovic, Tijana Djukic, Igor Saveljic, Petar Milenkovic, Gordana Jovicic, Marija Djuric, Modeling of liver metastatic disease with applied drug therapy, <i>Computer Methods and Programs in Biomedicine</i>, May 01, 2014, http://dx.doi.org/10.1016/j.cmpb.2014.04.013 3. G Pelosi, D Panetta, F Vozzi, F Viglione, N Filipovic , I Saveljic, T Exharcos, MG Trivella and O Parodi, Site-specific shear stress-plaque severity relations by high axial resolution coronary profiling in an animal model of atherogenesis, <i>Cardiovascular Research</i>, July 15, 2014 103 (2), doi: 10.1093/cvr/cvu091.148 4. Aleksa Janovic, Petar Milovanovic, Igor Saveljic, Dalibor Nikolic, Michael Hahn, Zoran Rakocevic, Nenad Filipovic, Michael Amling, Bjoern Busse, Marija Djuric, Microstructural properties of the mid-facial bones in relation to the distribution of occlusal loading, <i>Bone</i>, August 2014, http://dx.doi.org/10.1016/j.bone.2014.07.032 5. Svetlana Antic, Arso M. Vukicevic, Marko Milasinovic, Igor Saveljic, Gordana Jovicic, Nenad Filipovic, Zoran Rakocevic, Marija Djuric, (2015) Impact of the lower third molar presence and position on the fragility of mandibular angle and condyle: A Three-dimensional finite element study, <i>Journal of Cranio-Maxillofacial Surgery</i>, Vol. 43, No. 6, pp 870-878, http://dx.doi.org/10.1016/j.jcms.2015.03.025 6. Brönnimann D, Djukic T, Triet R, Dellenbach C, Saveljic I, Rieger M, Rohr S, Filipovic N, Djonov V, (2016) Pharmacological Modulation of 	

- Hemodynamics in Adult Zebrafish In Vivo. PLoS ONE 11(3): e0150948. doi:10.1371/journal.pone.0150948
7. Djukic TR, Karthik S, Saveljic I, Djonov V and Filipovic N (2016) Modeling the Behavior of Red Blood Cells within the Caudal Vein Plexus of Zebrafish. *Front. Physiol.* 7:455. doi: 10.3389/fphys.2016.00455
 8. Filipovic Nenad, Saveljic Igor, Rac Vladislav, Beatriz Olalde Graellsd, Bijelic Goran, Computational and experimental model of transdermal iontophoretic drug delivery system, *International Journal of Pharmaceutics*, 2017, DOI: <http://dx.doi.org/10.1016/j.ijpharm.2017.05.066>
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 10. Koullapis P, Kassinos SC, Muela J, Perez-Segarra C, Rigola J, Lehmkuhl O, Cui Y, Sommerfeld M, Elcner J, Jicha M, Saveljic Igor, Filipovic Nenad D, Lizal F, Nicolaou L (2018) Regional aerosol deposition in the human airways: The SimInhale benchmark case and a critical assessment of in silico methods, *European journal of pharmaceutical sciences*, vol. 113, pp. 77-94
 11. Tijana Djukic, Igor Saveljic, Gualtiero Pelosi, Oberdan Parodi, Nenad Filipovic (2019) Numerical simulation of stent deployment within patient-specific artery and its validation against clinical data, *Computer Methods and Programs in Biomedicine*, Volume 175, pp. 121-127, <https://doi.org/10.1016/j.cmpb.2019.04.005>
 12. Djukic, T., Saveljic, I. & Filipovic, Numerical modeling of the motion of otoconia particles in the patient-specific semicircular canal, *Comp. Part. Mech.* (2019) vol 6(4): 767-780, <https://doi.org/10.1007/s40571-019-00260-1>
 13. Filipovic, N., Saveljic, I., Hamada, K. et al. Abrupt Deterioration of COVID-19 Patients and Spreading of SARS COV-2 Virions in the Lungs. *Ann Biomed Eng* 48, 2705–2706 (2020). <https://doi.org/10.1007/s10439-020-02676-w>
 14. Tijana Djukic, Igor Saveljic, Gualtiero Pelosi, Oberdan Parodi, Nenad Filipovic, A study on the accuracy and efficiency of the improved numerical model for stent implantation using clinical data, *Computer*

Списак резултата M22

Рад у истакнутом међународном часопису

Број

4

1. Nenad Filipovic, Zhongzhao Teng, Milos Radovic, Igor Saveljic, Dimitris Fotiadis and Oberdan Parodi, Computer simulation of three dimensional plaque formation and progression in the carotid artery, *Medical and Biological Engineering and Computing*, Vol. 51, No.6, pp. 607-616, 2013, doi: 10.1007/s11517-012-1031-4.
2. Aleksa Janovic, Igor Saveljic, Arso Vukicevic, Dalibor Nikolic, Zoran Rakocevic, Gordana Jovicic, Nenad Filipovic, Marija Djuric, Occlusal load distribution through the cortical and trabecular bone of the human mid-facial skeleton in natural dentition: A three-dimensional finite element study, *Annals of Anatomy*, Vol. 139, pp. 16–23, 2014 (<http://dx.doi.org/10.1016/j.aanat.2014.09.002>)
3. Svetlana Antic, Igor Saveljic, Dalibor Nikolic, Gordana Jovicic, Nenad Filipovic, Zoran Rakocevic, Marija Djuric, Does the presence of an unerupted lower third molar influence the risk of mandibular angle and condylar fractures? *International Journal of Oral and Maxillofacial Surgery*, Vol. 14, No. 00352-x-eprint, ISSN: 0901-5027, DOI: <http://dx.doi.org/10.1016/j.ijom.2014.09.018>
4. Nenad Filipovic, Kedar Ghimire, Igor Saveljic, Zarko Milosevic, Curzio Ruegg, Computational modeling of shear forces and experimental validation of endothelial cell responses in an orbital well shaker system, *Computer Methods in Biomechanics and Biomedical Engineering*, 2015, DOI:10.1080/10255842.2015.1051973

Списак резултата M23

Рад у међународном часопису

Број

5

1. Aleksandar Peulić, Emil Jovanov, Miloš Radović, Igor Saveljić, Nebojša Zdravković, Nenad Filipović, Modeling of Arterial Stiffness using Variations of Pulse Transit Time, *Computer Science and Information Systems / ComSIS*, Vol. 10, No. 1, pp. 547-565, 2013, doi:10.2298/CSIS120531015P
2. Filipovic N, Nikolic D, Saveljic I, Djukic T, Adjic O, Kovacevic P, Cemerlic-Adjic N, Velicki L, Computer simulation of thromboexclusion of the complete aorta in the treatment of chronic

type B aneurysm, Computer Aided Surgery, Vol. 18, No.1-2, pp. 1-9, 2013, doi: 10.3109/10929088.2012.741145.

3. Nenad Filipovic, Igor Saveljic, Dalibor Nikolic, Zarko Milosevic, Pavle Kovacevic, Lazar Velicki, Numerical simulation of blood flow and plaque progression in carotid-carotid bypass patient specific case, Computer Aided Surgery, Vol 20, No. 1, pp-1-6, 2015, DOI: 10.3109/10929088.2015.1076036
4. Filipovic Nenad D Saveljic Igor Jovicic Nemanja U Tanaskovic Irena Zdravkovic Nebojsa D (2016) Computational and experimental model of electroporation for human aorta, Acta of bioengineering and biomechanics, (2016), vol. 18 br. 4, str. 15-20
5. Zdravkovic Nebojsa, Milosevic Zarko, Saveljic Igor, Nikolic Dalibor, Miloradovic Vladimir, Filipovic Nenad (2017) Three-Dimensional Biomechanical Model of Benign Paroxysmal Positional Vertigo in the Semi-Circular Canal, Tehnicki vjesnik-technical gazette, vol. 24, no. 6, pp. 1769-1775

Списак резултата М24

Рад у националном часопису међународног значаја

Број

Списак резултата М33

Саопштење са међународног скупа штампано у целини

Број

56

1. A. Peulic, E. Jovanov, M. Radovic, I. Saveljic, N. Zdravkovic, N. Filipovic: Arterial Stiffness modeling using variations of Pulse Transit Time, 10thBioEng, 5-7 October 2011, Kos, Greece.
2. Filipovic N, Teng Z, Milosevic Z, Nikolic D, Radovic M, Saveljic I, Exarchos T, Fotiadis DI, Gillard J, Parodi O, Computer simulation of three-dimensional plaque formation and progression in the carotid artery. EAS 2012, the 80th European Atherosclerosis Society Congress, May 25-28, 2012, Milan, Italy.
3. Filipovic N, Nikolic D, Milosevic Z, Saveljic I, Tanaskovic I, Colic M, Rosic M: Experimental and computational LDL transport model through arterial wall. COST Action MP1005; 2nd Joint Meeting, September 4-5, 2012, Vienna, Austria.

4. Koncar I., Krsmanovic D., Saveljic I., Isailovic V., Davidovic L., Filipovic N., Computer Simulation of Endoluminal Stent-Graft Migration, European Society for Artificial Organs, XXXIX ESAO 2012, September 26-29, 2012, Rostock, Germany.
5. Filipovic N., Kojic M., Teng Z., Radovic M., Saveljic I., Themis E., Parodi O., Computer Simulation of Three-Dimensional Plaque Formation and Progression in the Carotid Artery, Parallel CFD, 24th International Conference on Parallel Computational Fluid Dynamics, May 21– 25, 2012, Atlanta, USA.
6. Igor Saveljic, Aleksa Janovic, Dalibor Nikolic, Zoran Rakocevic, Marija Djuric and Nenad Filipovic, Finite element analysis of the facial skeleton on simulated occlusal loading, Fourth Serbian (29th Yu) Congress on Theoretical and Applied Mechanics, 4-7 June 2013, Vrnjačka Banja, Serbia, ISSN 978-86-909973-5-0, COBISS.SR-ID 198308876.
7. L. Velicki, N. Čemerlić-Ađić, R. Jung, N. Tomić, O. Ađić, D. Nikolić, I. Saveljić, D. Milašinović, N. Filipović, Evaluation of borderline coronary lesions using noninvasive computed fractional flow reserve, 4th International Congress of Serbian Society of Mechanics, June 4-7, 2013, Vrnjačka Banja, Serbia, ISSN 978-86-909973-5-0, COBISS.SR-ID 198308876.
8. Z. Milošević, D. Nikolić, I. Saveljić, M. Radović, T. Exarchos, O. Parodi, N. Filipović, Three-dimensional computer modeling of plaque formation and ldl transport within artery and through the vessel wall, 4th International Congress of Serbian Society of Mechanics, June 4-7, 2013, Vrnjačka Banja, Serbia, ISSN 978-86-909973-5-0, COBISS.SR-ID 198308876.
9. Aleksa Janovic, Petar Milovanovic, Igor Saveljic, Dalibor Nikolic, Michael Hahn, Bjoern Busse, Zoran Rakocevic, Nenad Filipovic, Michael Amling & Marija Djuric, Microstructural adaptation of bone tissue of the facial skeleton to the distribution of occlusal load under physiological conditions, European Calcified Tissue Society Conference ECTS, 18-21 May 2013 , Lisbon, Portugal. Bone Abstracts Vol , doi: 10.1530/boneabs.1.PP51
10. Z. Milosevic, M. Radovic, D. Nikolic, I. Saveljic., V. Isailovic, M. Obradovic, D. Petrovic, E. Themis, D. Fotiadis, W. Pelosi, O. Parodi, M. Kojic and N. Filipovic, Plaque Formation Modeling – from Animal to Human Studies. SEECM III, 3rd South-East European Conference

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11. Nenad Filipovic, Dalibor Nikolic, Zarko Milosevic, Milos Radovic, Igor Saveljic, Themis Exarcous, Dimitris Fotiadis, Walter Pelosi and Oberdan Parodi, Plaque progression modeling by using computer simulation and imaging data, Biomedical Engineering, February 13-15, 2013, Innsbruck, Austria.
12. Velibor Isailovic, Milica Obradovic, Dalibor Nikolic, Igor Saveljic, and Nenad D. Filipovic, SIFEM project: Finite element modeling of the cochlea, Bioinformatics and Bioengineering (BIBE), 2013 IEEE 13th International Conference on, 10-13 Nov. 2013, Chania, Greece.
13. Velibor Isailovic, Milica Nikolic, Zarko Milosevic, Igor Saveljic, Dalibor Nikolic, Milos Radovic and Nenad Filipovic, Finite Element Coiled Cochlea Model, 12th Mechanics of Hearing, 23-28 June 2014, Greece
14. Nenad Filipovic, Igor Saveljic, Zarko Milosevic and Nebojsa Zdravkovic, Caloric Test Simulation in the Three Semicircular Canal, "REDEOR", 25-27 March 2015, Venice, Italy
15. N. Filipovic, I. Saveljic, Modeling of hot caloric test and cupula deformation in the semicircular canal, 21st Congress of the european society of biomechanics, 5-8 July 2015, Prague, Czech Republic
16. V. Isailovic, M. Nikolic, Z. Milosevic, I. Saveljic, D. Nikolic, M. Radovic, and N. Filipović, Modeling of the coiled cochlea and organ of corti - using for the cochlear implants, ESAO 2015, Leuven, Belgium, on September 2nd – 5th 2015.
17. N. Filipovic, I. Saveljic, and I. Tanaskovic, "Computer simulation of electroporation and drug transport through membranes", The 14th International Symposium, Computer Methods in Biomechanics and Biomedical Engineering, Tel Aviv, Israel, September 20 – 22, 2016
18. D. Nikolic, I. Saveljic, M. Radovic, S. Aleksandric, M. Tomasevic, N. Filipovic, Prediction of coronary plaque position on the arteries with myocardial bridge-neural network, 65th International Congress of the European Society of Cardiovascular and Endovascular Surgery, Belgrade, Serbia, April 21-24, 2016
19. Filipovic, A. Peulic, N. Mijailovic, I. Saveljic, Z. Milosevic, A. Vulovic, T. Sustercic, I. Koncar, L. Davidovic, "Simulation of abdominal aortic

- aneurysms growth with mechanical-chemical model", 2016 EMI International Conference, Metz, France, October 25-27, 2016
20. Igor Saveljic, Lazar Velicki Nenad Filipovic, Numerička analiza preoperativnog i postoperativnog modela akutne aortne disekcije, INFOTEH-JAHORINA Vol. 16, March 2017.
21. Nenad Filipovic, Zarko Milosevic, Igor Saveljic, Themis Exarchos and Oberdan Parodi, Coupled discrete and continuum methods for modelling of atherosclerotic disease in the coronary arteries, Coupled problems, 12-14 june, 2017, Rhodes Island, Greece
22. Igor Saveljic, Nenad Filipovic, Lazar Velicki, Virtual surgery and numerical analysis of dissected aorta, 4th South-East European Conference on Computational Mechanics - SEECCM 2017, 3-5 july, 2017, Kragujevac, Serbia
23. Tijana Đukić, Igor Saveljić, Nenad Filipović, Interactive Software for Tracking Motion of Otoconia Particles in the Semicircular Canals of the Inner Ear, 4th South-East European Conference on Computational Mechanics - SEECCM 2017, 3-5 july, 2017, Kragujevac, Serbia
24. Žarko Milošević, Velibor Isailović, Igor Saveljić, Dalibor Nikolić, Vladislava Stojić, Nebojša Zdravković, Dušan Pavlović, Nenad Filipović, Finite Element Modeling of Benign Paroxysmal Positional Vertigo Disease, 4th South-East European Conference on Computational Mechanics - SEECCM 2017, 3-5 july, 2017, Kragujevac, Serbia
25. V. Isailovic, Z. Milosevic, D. Nikolic, I. Saveljic, M. Nikolic, M. Gacic, B. Cirkovic-Andjelkovic, T. Exarchos, D. I. Fotiadis, G. Pelosi, O. Parodi, N. Filipovic, "Coupled computer modeling of atherosclerosis development in the coronary arteries", BIBE 2017, 17th IEEE International Conference on BioInformatics and BioEngineering, Washington D.C., USA, October 23-25, 2017
26. Cirkovic, V. Isailovic, D. Nikolic, I. Saveljic, O. Parodi, N. Filipovic, "Prediction of Coronary Plaque Progression Using Data Driven Approach", 3rd EAI International Conference on Future Access Enablers of Ubiquitous and Intelligent Infrastructures, Fabulous 2017, Bucharest, Romania, October 12-14, 2017
27. Nenad Filipovic, Velibor Isailovic, Zarko Milosevic, Dalibor Nikolic, Igor Saveljic, Milica Nikolic, Bojana Cirkovic-Andjelkovic, Exarchos Themis, Dimitris Fotiadis, Gualtiero Pelosi, Oberdan Parodi,

Computer Modeling of Atherosclerosis in the Human Arteries, International Conference on Innovative Technologies, IN-TECH 2017, Ljubljana, Slovenia, September 13-15, 2017

28. Nenad Filipovic, Velibor Isailovic, Zarko Milosevic, Dalibor Nikolic, Igor Saveljic, Milos Radovic, Milica Nikolic, Bojana Cirkovic-Andjelkovic, Exarchos Themis, Dimitris Fotiadis, Gualtiero Pelosi, Oberdan Parodi, "Computational modeling of plaque development in the coronary arteries", Proceedings of the International Conference on Medical and Biological Engineering CMBEBIH, Sarajevo, Bosnia and Herzegovina, March 16-18, 2017
29. Filipovic, I. Saveljic, D. Nikolic, Z. Milosevic, V. Isailovic, O. Parodi, N. Zdravkovic, "Continuum-discrete modelling of plaque development in the coronary arteries", 23rd Congress of the European Society of Biomechanics ESB, Seville, Spain, July 02-05, 2017
30. Nenad Filipovic, Arso Vukicevic, Velibor Isailovic, Dalibor Nikolic, Zarko Milosevic, Igor Saveljic, Nikola Jagic, Oberdan Parodi, Simulation of fractional flow reserve and plaque development in the coronary arteries, 7th International Conference on Computational Bioengineering, Compiègne, France, 6-8 September, 2017
31. N. Filipovic, V. Isailovic, Z. Milosevic, D. Nikolic, I. Saveljic, M. Nikolic, B. Cirkovic-Andjelkovic, M. Radovic, T. Exarchos, D. Fotiadis, G. Pelosi, O. Parodi, "Modeling of plaque development in the coronary arteries", Computer Assisted Radiology and Surgery - CARS 2017, Barcelona, Spain, June 20-24, 2017
32. Nenad Filipovic, Velibor Isailovic, Dalibor Nikolic, Igor Saveljic, Zarko Milosevic, Antonis Sakellarios and Themis Exarchos, In silico stent deployment in the coronary artery with plaque progression, VPH2018: VIRTUAL PHYSIOLOGICAL HUMAN 2018, Zaragoza, Spain, September 05-07, 2018
33. Dan Krsmanovich, Igor Saveljic, Dalibor Nikolic, Velibor Isailovic, Milica Nikolic, Zarko Milosevic, Gordana Jovicic, Dobrica Milovanovic, Antonis Salellarios, Themis Exarchos, Nenad Filipovic, Numerical model of stent deployment in the stenosed artery and modeling of atherosclerosis growing, 8th World Congress of Biomechanics (WCB2018), Dublin, Ireland, July 08-12, 2018
34. I. Saveljic, D. Nikolic, Z. Milosevic, V. Isailovic, M. Nikolic, O. Parodi, N. Filipovic, "3D Modeling of Plaque Progression in the Human

- Coronary Artery", 18th International Conference on Experimental Mechanics (ICEM 2018), Brussels, Belgium, July 01-05, 2018
35. I. Saveljic, T. Exarchos, O. Parodi and N. Filipovic, 3D Simulation of Inflammatory Process in Coronary Arteries, Belgrade Bioinformatics Conference (BELBI 2018), Belgrade, Serbia, June 18-22, 2018
 36. T. Djukic, I. Saveljic and N. Filipovic, Parallelization of software for stent deployment inside artery, Belgrade Bioinformatics Conference (BELBI 2018), Belgrade, Serbia, June 18-22, 2018
 37. A. Milovanović, I. Saveljic, T. Exarchos, O. Parodi and N. Filipović, Numerical approach for determination of virtual functional assessment index in coronary arteries, Belgrade Bioinformatics Conference (BELBI 2018), Belgrade, Serbia, June 18-22, 2018
 38. V. Isailovic, I. Saveljic, T. Exarchos, O. Parodi and N. Filipovic, Numerical simulation of stent deployment procedure in patient specific coronary artery, Belgrade Bioinformatics Conference (BELBI 2018), Belgrade, Serbia, June 18-22, 2018
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<p>Списак резултата М34 Саопштење са међународног скупа штампано у изводу</p>	<p>Број</p>
<p>Списак резултата М41 Истакнута монографија националног значаја</p>	<p>Број</p>

Списак резултата М42 Монографија националног значаја	Број
Списак резултата М43 Монографска библиографска публикација или монографска студија	Број
Списак резултата М44 Поглавље у књизи М41 или рад у истакнутом тематском зборнику водећег националног значаја	Број
Списак резултата М45 Поглавље у књизи М42 или рад у тематском зборнику националног значаја	Број
Списак резултата М51 Рад у врхунском часопису националног значаја	Број
Списак резултата М52 Истакнути национални часопис	7
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Списак резултата М53
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Број

Списак резултата М54
Домаћи новопокренути научни часопис

Списак резултата М60 Предавања по позиву на скуповима националног значаја- обавезно навести категорију	Број
Списак резултата М80 Техничка решења – обавезно навести категорију	Број
Списак резултата М90 Патент– обавезно навести категорију	Број

УЧЕШЋЕ НА ПРОЈЕКТИМА РЕСОРНОГ МИНИСТАРСТВА

1. ON-174028: Multiscale Methods and Their Application in Nanomedicine, financed by Ministry of Science and Technology of Republic of Serbia, 2011-2014. Principal investigator - prof. dr Miloš Kojić

УЧЕШЋЕ НА МЕЂУНАРОДНИМ ПРОЈЕКТИМА

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2. SIFEM, Semantic Infostructure interlinking an open source Finite Element tool and libraries with a model repository for the multi-scale Modeling and 3d visualization of the inner-ear, 01.02.2013 – 31.01.2016. <http://www.sifem-project.eu/7>
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4. SMARTool: Simulation Modeling of coronary ARTery disease: a tool for clinical decision support, (01/01/16-30/06/19), H2020-PHC-2015-single-stage. Role: Researcher

5. H2020-EU.3.1.4 SC1-PM- 769574 HOLOBALANCE: HOLOgrams for personalised virtual coaching and motivation in an ageing population with BALANCE disorders, Dec 2017 – Present
6. H2020-EU.3.1.5 SC1-PM- 777119 InSilc: In-silico trials for drugeluting BVS design, development and evaluation, Nov 2017 – Present

УЧЕШЋЕ НА ПРОЈЕКТИМА СА ПРИВРЕДОМ

КРАТАК ОПИС ИСТРЖИВАЊА У ПРЕТХОДНОМ ПЕРИОДУ (задње четири године)

Развој тродимензионалних модела за решавање проблема струјања крви кроз мале и велике крвне судове применом методе коначних елемената.

КРАТАК ОПИС ПЛАНИРАНИХ ИСТРЖИВАЊА У НАРЕДНОМ ПЕРИОДУ

Примена нумеричких метода у циљу моделовања струјања крви у крвним судовима главе и крвним судовима срца.