Formular për punën shkencore të realizuar
Формулар за реализирана научна работа
Form for realized Scientific Work

Formulari i nënshkruar dhe me email duhet ti dorezohet Dekanit dhe ai e dorezon te pro-rektori për shkencë
Формуларот пополнет и потпишан преку емаил треба се достави до деканот а тој до проректорот за наука.
The form should be delivered signed hard copy and emailed to the Dean of Faculty and he to Vice Rector for Science

Emri Mbiemri (dhe Nënshkrimi) **Име Презиме** (и Потпис)	Стојан Китанов
Titulli akademik (data dhe viti kur eshte marur) **Наставно-научно звање** (датум и год кога е добиена)	Доцент, 06.11.2018
Drejtimi / Fakulteti **Смер / Факултет**	Факултет за информатички науки
Fusha e punimeve shkencore (Frascati) **Области на трудовите** (Frascati)	21200 архитектура на сметачки системи 22400 теорија на информации и комуникации 22403 радиокомуникација

Published Research in the past 5 years (List all papers under proper time category starting with most recent)
Hulumtimi i Publikuar ne 5 vitet e fundit (Listoi te gjitha punimet me renditje kohore, duke filluar nga i fundit)
Публикувани трудови во последните 5 години (Излистај ги сите по хронолошки аспект почнувајќи од последната)

CONFERENCES - Konferencat – Конференции

Local Conference (2015-2020)		
1	Reference	
	Link published	
2	Reference	
	Link published	

National Conference (2015-2020)		
1	Reference	
	Link published	
2	Reference	
	Link published	

International Conference (2015-2020)		
1	Reference	Ivan Petrov, Toni Janevski, Stojan Kitanov. **Contribution of 6G Mobile Networks with Artificial Intelligence Towards Sustainable Development.** *Proceedings of the 4th International Conference Towards Sustainable Development (TSD 2020)*, Skopje, Macedonia, 2020.
	Link published	https://conference.unt.edu.mk/wp-content/uploads/2021/03/FinalVersion-TSD2020.pdf
2	Reference	Simon Bojadjievski, Natasa Anastasova Bojadjievska, Stojan Kitanov. **Architectural challenges for Next Generation Emergency and Mission Critical Wireless Sensor Networks**. *Proceedings of the 3rd International Conference Towards Sustainable Development (TSD 2019)*, Skopje, Macedonia, 2019.
	Link published	https://conference.unt.edu.mk/wp-content/uploads/2020/02/TSD-ABSTRACT-2019.pdf

3	Reference	Sindize Jusufi, Stojan Kitanov. **5G and Fog (Edge) Computing: A survey for Sustainable Development Goals**. *Proceedings of the 54th International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2019*, Ohrid, Macedonia, 2019.
	Link published	https://icestconf.org/wp-content/uploads/2019/09/Proceeding_ICEST_2019.pdf
4	Reference	Liridon Zenku, Zoran Trifunov, Teuta Jusufi-Zenku, Stojan Kitanov. **Application of Newton's Backward Interpolation using MATLAB**. *Proceedings of the 8th International Conference Modern Trends in Science,* Blagoevgrad, Bulgaria, 2019.
	Link published	http://www.fmns.swu.bg/Conference%20Program_FMNS-2019.pdf
5	Reference	Stojan Kitanov, Toni Janevski. **5G and Fog (Edge) Computing: A survey for Sustainable Development Goals**. *Proceedings of the 2nd International Conference Towards Sustainable Development (TSD 2018)*, Skopje, Macedonia, 2018.
	Link published	https://conference.unt.edu.mk/wp-content/uploads/2017/06/TSD-ABSTRACT-2018.pdf
6	Reference	Tomislav Shuminoski, Stojan Kitanov, Toni Janevski. **Cloud-based Orchestrated Services with QoS Support for Mobile Broadband Terminals and Networks**. *Proceedings of the XIII International Conference of Society for Electronics, Telecommunications, Automation and Informatics ETAI 2018*, Struga, Macedonia, 2018.
	Link published	http://etai.org.mk/wp-content/uploads/2018/09/ETAI_2018_abstrakti_f_post_web.pdf
7	Reference	Stojan Kitanov, Toni Janevski. **Sustainable Green Networking and Computing in 5G Systems: Technology Economics and Deployment**. *Proceedings of the 1st International Conference Towards Sustainable Development (TSD 2017)*, Skopje, Macedonia, 2017.
	Link published	https://conference.unt.edu.mk/wp-content/uploads/2019/09/Abstract-Book-1.pdf
8	Reference	Stojan Kitanov, Toni Janevski. **Energy Efficiency of Fog Computing and Networking Services in 5G Networks**. *Proceedings of the XVII IEEE International Conference on Smart Technologies EUROCON 2017*, Ohrid, Macedonia, 2017.
	Link published	https://ieeexplore.ieee.org/document/8011159
9	Reference	Stojan Kitanov, and Toni Janevski. **State of the Art : Fog Computing for 5G Networks**. *Proceedings of the XXIV International Telecommunication Forum TELFOR 2016*, Belgrade, Serbia, 2016.
	Link published	https://ieeexplore.ieee.org/document/7818728
10	Reference	Stojan Kitanov, and Toni Janevski. **Energy Efficiency of 5G Mobile Networks in Hybrid Fog and Cloud Computing Environment**. *Proceedings of the II International Conference Recent Trends and Applications in Computer Science and Information Technology RTA-CSIT 2016*, Tirana, Albania, 2016.
	Link published	http://ceur-ws.org/Vol-1746/
11	Reference	Stojan Kitanov, Toni Janevski. **5G Networks in the Fog Computing Environment**. *Proceedings of the XII International Conference of Society for Electronics, Telecommunications, Automation and Informatics ETAI 2016*, Struga, Macedonia, 2016.
	Link published	https://docplayer.net/65420841-Zbornik-na-apstrakti-na-trudovite-od-xiii-megjunarodna-konferencija-etai-2016-etai-2016-proceedings-of-abstracts-of-xiii-international-conference.html
12	Reference	Stojan Kitanov, Toni Janevski. **Hybrid Environment Service Orchestration for Fog Computing**. *Proceedings of the 51st International Scientific Conference on Information, Communication and Energy Systems and Technologies ICEST 2016*, Ohrid, Macedonia, 2016.
	Link published	https://drive.google.com/file/d/1eJR-L0t9xVQKaQWvuSapxDFzsIq0tqdV/view
13	Reference	Stojan Kitanov, Edmundo Monteiro, Toni Janevski. **5G and the Fog – Survey of Related Technologies and Research Directions**. *Proceedings of the XVIII Mediterranean IEEE Electrotechnical Conference MELECON 2016*, **Limassol, Cyprus**, 2016.
	Reference	https://ieeexplore.ieee.org/document/7495388

JOURNALS

Local Journal (2015-2020)

1	Reference	
	Link published	
2	Reference	
	Link published	

National Journal (2015-2020)

1	Reference	
	Link published	
2	Reference	
	Link published	

International Journal (2015-2020)

	Reference	Ivan Petrov, Toni Janevski, Stojan Kitanov. **An Overview of 6G Mobile Networks with Artificial Intelligence Towards Sustainable Development.** *South East European Journal of Sustainable Development, Vol. 5, No. 2*, Skopje, Macedonia, 2021.
	Link published	seejsd.unt.edu.mk/wp-content/uploads/2021/04/%40%20SEEJSD%20V5%202-2021.pdf
1	Reference	Stojan Kitanov, Toni Janevski. **Sustainable Green Networking and Computing in 5G Systems: Technology Economics and Deployment**. *South East European Journal of Sustainable Development*, Vol. 1, 2017, Skopje, Macedonia, 2017.
	Link published	https://seejsd.unt.edu.mk/wp-content/uploads/2018/04/SEEJSD-Vol-1-2018-finale11309-1.pdf
2	Reference	Stojan Kitanov, and Toni Janevski. **Quality Evaluation of Cloud and Fog Orchestrated Services in 5G Network**. *European Journal of Information Science and Technology (EJIST), Vol. 1, No. 1*, published by University of Information Science and Technology "St. Paul the Apostle," Ohrid, Macedonia, 2016.
	Link published	http://ejist.uist.edu.mk/wp-content/uploads/2016/12/EJIST-1-1-pp-62-72-Stojan-Kitanov.pdf
3	Link published	Stojan Kitanov, and Toni Janevski. **Fog Computing as a Support for 5G Network**. *Journal of Emerging Research and Solutions in ICT (ERSICT), Vol. 1, No. 2*, published by Faculty of Information and Communication Technologies in Bitola, Macedonia, 2016.
	Reference	http://ersict.org/articles/ERSICT-1-02-P05.pdf

International Journal with Impact Factor ISI Web of Science – Clarivate analytics (2015-2020)

1	Reference	Tomislav Shuminoski, Stojan Kitanov, Toni Janevski. **Advanced QoS Provisioning and Mobile Fog Computing for 5G**. *Wireless Communications and Mobile Computing Journal*, published by Hindawi and Wiley Online **(2017 IMPACT FACTOR: 0.869)**
	Link published	https://www.hindawi.com/journals/wcmc/2018/5109394/
2	Reference	Stojan Kitanov, Toni Janevski. **Fog Computing Service Orchestration Mechanisms for 5G Networks**. *Journal of Internet Technology (JIT), ISSN 1607-9264*, **Taiwan,** 2018. (**2017 IMPACT FACTOR: 1.301**).
	Link published	https://jit.ndhu.edu.tw/article/view/1650

Studies and monographs (Local, National, International publication house) (2015-2020)

1	Reference	
	Link published	
2	Reference	
	Link published	

Books (Local, National, International publication house) (2015-2020)

1	Reference	Stojan Kitanov, Tomislav Shuminoski and Toni Janevski. **QoS for 5G Mobile Services based on Intelligent Multi-Access Edge Computing**. Book Chapter in *Intelligent Mobile Service Computing.* H. Gao, and Y. Yin, EAI/Springer Innovations in Communications and Computing, 2020.
	Link published	To be published in 2020
2	Reference	Stojan Kitanov and Toni Janevski. **Introduction to Fog Computing**. Book Chapter in *The Rise of Fog Computing in the Digital Era.* K. G. Srinivasa, L. Pankaj, and G. M. Siddesh, Ed., IGI Global, 2018.
	Link published	https://www.igi-global.com/chapter/introduction-to-fog-computing/210705
3	Reference	Stojan Kitanov, Borislav Popovski and Toni Janevski. **Quality Evaluation of Fog and Cloud Computing Services in 5G Networks**. Book Chapter in *Enabling Technologies and Architectures for Next-Generation Networking Capabilities.* M. Elkhodr, Ed., IGI Global, 2018.
	Link published	https://www.igi-global.com/chapter/quality-evaluation-of-cloud-and-fog-computing-services-in-5g-networks/214804
4	Reference	Stojan Kitanov, and Toni Janevski. **Fog Computing Mechanisms in 5G Mobile Networks**. *Book Chapter in **Networks of the Future: Architectures, Technologies and Implementations**.* CRC Press Taylor and Francis Group, Florida, USA, 2017.
	Link published	https://www.routledge.com/Networks-of-the-Future-Architectures-Technologies-and-Implementations/Elkhodr-Hassan-Shahrestani/p/book/9781498783972
5	Reference	Stojan Kitanov, and Toni Janevski. **Fog Networking for 5G and IoT**. *Book Chapter in **5G Mobile: From Research and Innovations to Deployment Aspects, Architectures, Technologies and Implementations**.* Nova Publishers, Inc., 2017.
	Link published	https://novapublishers.com/shop/5g-mobile-from-research-and-innovations-to-deployment-aspects/

Projects (2015-2020)

1	Reference	
	Link published	
2	Reference	
	Link published	

* - International Conference or Journal is considered the one that has at least 50% international members in the editorial board.