



## ЛИЧНА ИНФОРМАЦИЯ



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## ПРОФЕСИНАЛЕН ОПИТ

- 1990- 995 **Асистент, докторант**  
Технически университет Кемниц, Германия
- 1999-2003 **Хоноруван асистент**  
**Инструктор Cisco Academy**  
Бургаски свободен университет
- 2011-2015 **гл. асистент**  
Университет “Проф. д-р Асен Златаров”
- от 2015 **Доцент**  
Университет “Проф. д-р Асен Златаров”,

## ОБРАЗОВАНИЕ

- 1983-1988 **магистър**  
Технически университет Кемниц, Германия
- 1990-1995 **Доктор инженер**  
Технически университет Кемниц, Германия,

## ПРЕПОДАВАНИ ДИСЦИПЛИНИ

### Факултет технически науки

Теория на автоматичното регулиране, ОКС бакалавър

Автоматизация на производството, ОКС бакалавър

Материали за електрониката, ОКС бакалавър

Индустриални контролери, ОКС бакалавър

Програмируеми логически контролери, ОКС магистър

Промислени контролери, ОКС магистър

### Технически колеж

Основи на автоматизацията, ОКС професионален бакалавър

Електротехнически материали, ОКС професионален бакалавър

## НАУЧНА ДЕЙНОСТ

## Списък публикации

1. Kirjakova, D., A. Ilieva, N. Simeonova, Effect of Water Absorption on the Mechanical Properties of Silane-treated Wood Flour Polypropylene Composites, *Wood Research*, 2023, 68(3), pp. 477–487, (e-ISSN:2729-8906),
2. Simeonova N., M. Proykov. Influence of the Deteriorated Electric Energy Indicators on the Electromagnetic Compatibility, *BulEF* 2023;
3. Simeonova N., M. Proykov, Study of the load, the power factor and the losses of active power in the power supply system of a seaport, *BulEF* 2023;
4. Kirjakova, D., A. Ilieva, N. Simeonova, Hydrothermal and Mechanical Behaviour of Silane-Treated Wood Flour Polypropylene Composites, *Egyptian Journal of Chemistry* (ISSN:0449-2285E-ISSN:2357-0245)
5. Simeonova N., S. Simeonov, Prediction of Reinforcing Fibre Orientation through a Parallel Annular Extrusion Canal, *Oxidation Communications*, v. 42, No. 4, 2019, 564–571, (SCOPUS)
6. Simeonova N., I. Belovski, G. Torlakov, Preservation and Protection of Cultural Heritage through Digital Security System, *Digital Presentation and Preservation of Cultural and Scientific Heritage. Conference Proceedings. Vol. 9*, Sofia, Bulgaria: Institute of Mathematics and Informatics – BAS, 2019. ISSN: 1314-4006, eISSN: 2535-0366, SJR:
7. Gyurov, V., N. Simeonova, M. Proykov, S. Sotirov, R. Kirov, Study on Interconnections Between Electromagnetic Compatibility and Techno - Economic Characteristics of Industrial Enterprises from Chemical and Mining Industry in Republic of Bulgaria, *Proceedings of the 10th International Scientific Symposium on Electrical Power Engineering, ELEKTROENERGETIKA 2019*, 16-18.09.2019, Stará Lesná, Slovak Republic, p. 168 – 171, ISBN: 978-80-553-3324-3, SGR
8. Simeonova, N., R. Stewart, E. Gospodinova, Technologies for the Introduction of Digitalized Cultural Heritage to Visually Impaired People, *Digital Presentation and Preservation of Cultural and Scientific Heritage*, 2019, Conference Proceedings. Vol. 9, pp. 219-224, Sofia, Bulgaria: Institute of Mathematics and Informatics – BAS, 2019. ISSN: 1314-4006, eISSN: 2535-0366, SGR
9. Proykov M., N. Simeonova, Research, Analysis and Rationalization of The Operating Regimes of the Power Supply System of Resort Complex "Sunny Beach", 17th Conference on Electrical Machines, Drives and Power Systems (ELMA 2021), Proceedings 2021, pp. 621-624, ISBN 978-1-6654-3582-6, IEEE Catalog Number: CFP21L07-ART, doi: 10.1109/ELMA52514.2021.9503024. SGR
10. Proykov M., N. Simeonova, Investigation of the Influence of Current Harmonics Generated by Crane Systems on Some Parameters of the Power Supply Systems, 17th Conference on Electrical Machines, Drives and Power Systems (ELMA 2021), Proceedings 2021, pp. 625-628, ISBN 978-1-6654-3582-6, IEEE Catalog Number: CFP21L07-ART, doi: 10.1109/ELMA52514.2021.9503048.222. SGR
11. Proykov M., N. Simeonova, S. Simeonov, Study of the Electricity Efficiency in the Implementation of an Energy Management System in an Industrial Site of the Electrical Infrastructure, 17th Conference on Electrical Machines, Drives and Power Systems (ELMA 2021), Proceedings 2021, pp. 629-632, ISBN 978-1-6654-3582-6, IEEE Catalog Number: CFP21L07-ART, doi: 10.1109/ELMA52514.2021.9503076. SGR
12. Proykov, M., Simeonova, N., Study of the possibilities for optimization of reactive power according to the criterion electric power quality in the power supply system of a port complex, 2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 - Proceedings, 2022
13. Simeonova, N., Georgiev, G., Kirov, R., Ivanov, V., Opportunities for rationalization the electricity consumption of a port complex, 2022 8th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2022 - Proceedings, 2022
14. Simeonova N., E. Gospodinova – Mathematical Model, Development of Algorithms and Measurement of Parameters of Objects in Monitoring Systems for Protection of Cultural Heritage , DiPP2022
15. Simeonova N., M. Proykov, V. Ivanov, Inverter model optimization in simullink software environment, 18th Conference on Electrical Machines, Drives and Power Systems, ELMA 2023 - Proceedings, 2023
16. Sotirov S., E. Sotirova, M. Werner, S. Simeonov, W. Hardt, N. Simeonova, Intuitionistic Fuzzy Estimation of the Generalized Nets Model of Spatial-Temporal Group Scheduling Problems, Imprecision and Uncertainty in Information Representation and Processing, v. 332 of the series Studies in Fuzziness and Soft Computing, 2016, pp. 401-414, Print ISBN: 978-3-319-26301-4, Online ISBN: 978-3-319-26302-1
17. Simeonov S., Simeonova N, A. Iliev., Hierarchical scheduling for real-time systems based on multicode configurations for PC's, Annual - Prof. dr. Assen Zlatarov University, Burgas, 2015, v. XLIV (1), p. 75-79, 2015, ISSN 1312-1359,,
18. Simeonov S., Simeonova N, A. Iliev., Compositional planning of real time systems in processors X\_86, International Scientific Conference UNITECH'15, Gabrovo, 20.-21.11. 2015, v. II, pp. 189-194, ISSN 1313-230X
19. Belovski I., A. Alexandrov, N. Simeonova, Die Auswirkungen von polymeren Wärmeleitpasten auf die Arbeit von thermoelektrischen Batterien, International Scientific Conference TECHNOMER'15, TU-Chernitz, Germany, 12.-13. November, 2015, p. 129-134, ISBN 978-3-939382-11-9
20. Sotirov S., Werner M., Simeonov S., Hardt W., Sotirova E., Simeonova N., Using Generalized nets to Model Spatial-temporal Group Scheduling Problems, Issues in FSSs and GNs, SRI-PAS, Vol. 11, 2014, p. 42-54, ISBN: 978-83-61551-10-2



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22. Simeonov S., Simeonova N., Kostadinov T., Computer control of robotic complex with open type structure, programmable by open source structure, International Scientific Conference UNITECH'14, Gabrovo, 2014, Proceeding, Vol. II, p. 243-247, ISSN 1313-230X Stamova I., Stamov T., Simeonova N., Impulsive effects on the global exponential stability of neural network models with supremums, European Journal of Control, Vol. 20, Issue 4, July 2014, p.199–206, Elsevier, DOI: 10.1016/j.ejcon.2014.05.001, IF: 0,792, SJR: 0,605
23. Simeonov S., Simeonova N., Graphical Interface for Visually Impaired People Based on Bi-stable Solenoids, The International Journal of Soft Computing and Software Engineering, Special Issue: Vol. 3, No. 3, p. 844-847, 01/2014, e-ISSN:2251-7545, DOI:10.7321/jscse
24. Stamova I., Stamov T., Simeonova N., Impulsive control on global exponential stability for cellular neural networks with supremums, Journal of Vibration and Control, 3/2013, 19 (4) p. 483-490, first published online: 23 March 2012, DOI: 10.1177/1077546312441042, ISSN: 1077-5463, IF: 4,355, SJR: 0,625
25. Stanislav S., Simeonova N., Iliev A., Deterministic Model of CPU Scheduling in Real Time Operating System, International Scientific Conference UNITECH'13, Gabrovo, 2013, Proceedings, Vol. II, p. 192-197, ISSN 1313-230X
26. Simeonova N., Kinematic Analysis and Kinematic Computer control of tracked Mobile Robot, International Scientific Conference UNITECH'13, Gabrovo, 2013, Proceedings, Vol. II, p. 203-208, ISSN 1313-230X
27. Milusheva P., Simeonova N., Research on the hardness of Ti – Polipom POM system (Untersuchung der Härte eines Ti-Polipom POM Systems), International Scientific Conference TECHNOMER'13, TU-Chemnitz, Germany, 2013, Proceedings, p. 183-191, ISBN 978-3-939382-11-9
28. Simeonova N., Study of the dynamic in the behavior of robotic chain mobile track, Academic Journal „Management and Education“, Asen Zlatarov University, Burgas, Vol. VIII (4) 2012, p. 220-226 , ISSN 1312-6121
29. Simeonova N., Barzov Y., Self navigating autonomous robot system and problems in the dynamics in the motion, International Scientific Conference MATTEX 2012, Konstantin Preslavsky University – Shumen, 2012, Proceedings, Vol. 2, p. 20 – 26, ISSN: 1314-3921

#### Участие в научни проекти, програми, конференции

2021-2023	BG05M2OP001-2.016-0028-C01, 2021-2023, Modernization of the teaching: technical university - Varna, the technical university - Sofia, the technical university - Gabrovo and the university "Prof. д-р Assen Zlatarov
2018-2023	BG05M2OP001-1.001-0004-C01, 2019-2023, Университети за Наука, Информатика и Технологии в е-обществото (УНИТе), процедура Изграждане и развитие на Център за върхови постижения, ОП Наука и образование за интелигентен растеж
2019-2020	НИХ-427/2019, 2019-2020, Изготвяне на проект и компютърно симулиране на ново енергоефективно районо осветление на територията на Университет „Проф. д-р А. Златаров
2017-2023	Модернизация на навигационното оборудване в пристанищен комплекс Бургас
2016-2018	ОУФ-НИ 09/2016, 2016-2018, Моделиране на системи мобилни приложения с интелигентни инструменти за управление
2017-2019	Международен проект Германия - 01DS17029, Bundesministerium fuer Bildung und Foshung, FuE-Netzwerke mit Partnern in Donauanreierstaaten, Instalation eines Kooperationsnetzwerkes zum Thema Gummirecycling (RubRec)
2014/15	Международен проект ДНТС-Германия - 01/11 „Автономен робот - платформа за изследване на операционни системи от тип реално време”
2014	НИХ 333/2014 „Моделиране на линейни системи в екстремни условия”
2014	НИХ 330/2014 „Разработване и реализиране на експериментална оптична сензорна система”
2013	НИХ 283/2013 „Модел за движение на мобилен робот”
2007-2009	Международен проект – LLP-LdV-TOI-2007-TR-067 „Стъпка към светлината” (A step Toward the Light), по програма „Учение през целия живот”, секторна програма „Леонардо да Винчи”, Трансфер на иновация