






PERSONAL INFORMATION

Ivan Beloev



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Sex male | Date of birth 07/06/1990 | Nationality Bulgarian

WORK EXPERIENCE

- From 2021 to now **Head of the Department of Transport.**
- From 2018 to now **Associate professor in Department of Transport**
University in Ruse "Angel Kunchev"
 - Technology and management of the transport
- From 2015 to 2018 **Assistant professor in Department of Transport**
University in Ruse "Angel Kunchev"
 - Technology and management of the transport
- From 2014 to 2015 **Assistant in Department of Transport**
University in Ruse "Angel Kunchev"
 - Technology and management of the transport

EDUCATION AND TRAINING

- from 2014 to 2015 **PhD**
Topic of dissertation: *Develop and research of modular system for combined energy providing and monitoring of harmful emissions of road transport*

from 2005 to 2007 Master
Technology and management of the transport
University in Ruse "Angel Kunchev"

from 2001 to 2005 Bacalar
Technology and management of the transport with professional qualifications: transport engineer
University in Ruse "Angel Kunchev"

PERSONAL SKILLS

Mother tongue(s) Bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Replace with language	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2
	Replace with name of language certificate. Enter level if known.				
English, Russian	B1/B2	B1/B2	B1/B2	B1/B2	B1/B2
	Replace with name of language certificate. Enter level if known.				

Communication skills I have acquired and developed the communication skills needed for negotiation.

Job-related skills

- acquired professional skills in organizing and conducting experimental research;
- acquired skills in analysing experimental data from experimental research;
- acquired knowledge and skills to work with different experimental equipment.

Specializations abroad and international collaborations

- LLP Erasmus Intensive Programme "Powering The Future with Zero Emission and Human Powered Vehicles" Terrassa, 20.03.2011-02.04.2011
- LLP Erasmus Intensive Programme "Education for sustainable Development From the perspective of technologies and materials for Environment protection"

Scientific awards and membership in scientific societies

- The 2017 Young Scientist Award, the Austrian Ministry of Science, Research and Economic and Institutional Affairs and Central Europe, 2017.
- BEST BOOK award from the Scientific Conference of the University of Rousse and the Union of Students - 2017 in the Quality of Work Training section "Development of the activity of the students from professional development Transport, navigation and aviation through innovative forms of self-employment", 2017 .
- In the competition for print and electronic publications a thesis is elaborated on "Development and supply of a modular system for combined energy supply and monitoring of the valuable emissions of road transport", 2016
- The National Assembly of the Republic of Bulgaria is entrusted with the leadership of the HYDRU head of excellence and the acquisition of the name and prestige of the University of Rousse in 2017.
- Second Prize in the Research Fund Fund Prize for Design, Creation, Conduct of Real Experiments and Optimization of the City Car Logic, Powered by an Alternative Energy Source, 2018.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving

PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	PROFICIENT USER	PROFICIENT USER
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Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificates

- good office skills (Textual program, spreadsheet, presentation program)
- good knowledge of specialized software for statistical processing of information, acquired during the preparation of dissertation thesis.

Driving licence B

ADDITIONAL INFORMATION

MONOGRAPHS

1. Pencheva V, A. Sladkowski, A. Asenov, I. Georgiev, I. Beloev, K. Ivanov. Modelling of the Interaction of the Different Vehicles and Various Transport Modes Chapter: The Danube River, Multimodality and Intermodality. Switzerland AG, Springer International Publishing, 2019, pp. 233-288, ISBN 978-3-030-11511-1.
2. Белоев Иван. Проектиране, конструиране и експериментално изследване на едноместен автомобил за градска среда със задвижване чрез водородна клетка. Русе, Академично издателство „Пусенски университет“, 2019, стр. 104, ISBN 978-954-712-775-3.

ARTICLES

1. Beloev, I. Development and evaluation of personal urban concept vehicle powered by a hydrogen fuel cell.// Acta Technologica Agriculturae, 2021, No , pp. 112-118
2. Velizara Pencheva, Vladimir Hvarchilkov, Asen Asenov, Ivan Beloev, Dimitar Grozev, Emil Yankov, Ivaylo Hristakov. Justification of the need to implement intelligent warehouse systems in fish processing.// SHS Web Conferences, 2021, No 120, pp. 13
3. Beloev, I., D. Kinaneva, G. Georgiev, G. Hristov, P. Zahariev. Artificial Intelligence-Driven Autonomous Robot for Precision Agriculture.// Acta Technologica Agriculturae, 2021, No 24(1), pp. 48-54, ISSN 1338-5267. (SJR rank: 0.432 /2020, <https://content.sciendo.com/view/journals/ata/ata-overview.xml>)
4. Pencheva, V., A. Asenov, I. Beloev, V. Georgiev. Study of the use of alternative energy sources in inland waterway transport.// Transport Problems, 2019, No V. 14, Is. 3, pp. 109-120, ISSN 18960596. (SJR rank: 1 /2018,)
5. Pencheva, V., Asenov, A., Beloev, I., Georgiev, V. Study of the Use of Alternative Energy Sources in Internal Water Transport.// International Scientific Conference TRANSPORT PROBLEMS, 2019, No 3, pp. 109-120, ISSN 1896-0596. (SJR rank: 1 /2018, SCOPUS CiteScore)
6. Evstatiev, B., T. Balbuzanov, I. Beloev, V. Pencheva. Intelligent System For Improved Safety Of Pedestrian Traffic Lights.// Transport problems, 2019, No 14(1), pp. 35-43, ISSN 1896-0596. (SJR rank: 0.205 /2017, Scopus)
7. Terziev A.K., C I Iliev, I K Iliev, I H Beloev and E V Velkov. Experimental validation data for CFD of heat transfer processes in a heat exchanger thermosyphon type with complex geometry.// Material Science and Engineering, 2019, No 1, vol. 595, pp. 1-10, ISSN 1757-899X. (SJR rank: 0.2 /2018, SJR)
8. Даскалов Р., И. Белоев. Обзорен преглед на архитектурата на системите за задвижване на електрически превозни средства.// Известия на Съюза на учените – Русе, Серия Технически науки, том 15, 2018, брой 15, стр. 62-67, ISSN 1311-106X.
9. Kamburova V., A.Ahmedov, I.K.Iliev, I. Beloev, I.Pavlovic. Numerical modeling of the operation of a two-phase thermosyphon.// Thermal Science, 2018, No 5, vol.22, pp. S1311-S1321, ISSN 0345-9836. (Impact factor: 1.541 /2018, JCR (Q3))
10. Dimitar Grozev, Velizara Pencheva, Ivan Georgiev, Ivan Beloev. Investigation of the operation mode at Ruse-Danube Bridge border checkpoint considered to be a mass service system with incoming flow of automobiles at a non-stationary mode of operation.// MATEC Web of Conferences, 2018, No 234, 06003 (SJR rank: 1.454 /2018, <http://www.scimagojr.com>)
11. Pencheva V., I. Beloev. Regulation and share of cabotage in automobile fteight transport.// ECOLOGICA, 2017, No 86, pp. 211-216, ISSN 0354-3285.
12. Kolibová H., P. Máchal, I. Beloev, L. Libova. Gender sensitivity as one of the factors in the management of technical projects.// AGRICULTURAL, FOREST AND TRANSPORT MACHINERY ANT TECHNOLOGIES, 2017, No Volume IV, I, pp. 84 - 90, ISSN 2367 - 5888.
13. Pencheva, V., A. Asenov, D. Topchu, I. Beloev, B. Evstatiev. Organisation of the work on collecting routes in postal activity through an automated system for collection of information.// Transport problems, 2017, No 12(3), pp. 147-157, ISSN 1896-0596. (SJR rank: 0.284 /2016, Scopus)
14. Dusan Pales, Jozef Redl, Ivan Beloev. B-spline surface for distribution of the agriculture soil moisture.// MERAA Mathematics in Education, Research and Application, 2017, No 3, pp. 11 - 16, ISSN 2453-6881.
15. Iliev I., A.Terziev, I.Beloev, V.Kamburova. Experimental validation data for CFD of heat transfer in a new thermosyphon heat exchanger.// E3S Web of Conferences, 2017, No IEEE cat # C, pp. 202=206, ISSN 978-1-5386-3943-6. (SJR rank: 0.174 /2019, SJR)
16. Beloev Ivan. REVIEW OF THE MAIN STAGES OF DEVELOPING HYDRU CAR FOR PARTICIPATION IN SHELL ECO MARATHON.// AGRICULTURAL, FOREST AND TRANSPORT MACHINERY ANT

- TECHNOLOGIES, 2017, No Volume IV, I, pp. 45 - 50, ISSN 2367-5888.
17. Slany V., J. Marecek, E. Krcalova, I. Beloev, L. Belan, M. Korenko. Touchless Control of a Stationary Manipulator.// AGRICULTURAL, FOREST AND TRANSPORT MACHINERY AND TECHNOLOGIES, 2017, No Volume IV, I, pp. 57 - 62, ISSN 2367 - 5888.
 18. Csillagova Z., Z. Polo, I. Beloev, P. Kangalov, L. Belan, M. Korenko. Guidance for technical inspection of twin tube shock absorbers.// AGRICULTURAL, FOREST AND TRANSPORT MACHINERY ANT TECHNOLOGIES, 2017, No Volume IV, I, pp. 70 - 77, ISSN 2367 - 5888.
 19. Borisov S., J. Raychev, G. Hristov, I. Beloev, P. Zahariev. A platform for evaluation of the unmanned aerial vehicles telemetry protocols and their parameters.// Scientific Journal "ELECTROTECHNICA & ELECTRONICA", ("E+E"), 2017, No 1-2/2017, pp. 1-9, ISSN 0861-4717.
 20. Beloev, I., K. Gabrovska-Evstatieva, B. Evstatiev. Compensation of CO2 Emissions from Petrol Stations with Photovoltaic Parks: Cost-Benefit and Risk Analysis.// Acta Technologica Agriculturae, 2017, No 20(4), pp. 85-90, ISSN 1335-2555. (SJR rank: 0.247 /2017, Scopus)
 21. Евстатиев, Б., И. Григоров, Б. Манолова, К. Андонов, И. Белолев. Софтуерен продукт за изследване на товари графици.// Екология и бъдеще, 2016, брой 3, стр. 52-59, ISSN 1312-0751.
 22. Halenar M., L. Hujo, I. Beloev, J. Kosiba, V. Hajdak. Transport of Dangerous Goods I Defined Areas of Slovak Republic from the View of Environmental Burdens.// AGRICULTURAL, FOREST AND TRANSPORT MACHINERY ANT TECHNOLOGIES, 2016, No 3, pp. 5-10, ISSN 2367-5888.
 23. Beloev I. A REVIEW ON CURRENT AND EMERGING APPLICATION POSSIBILITIES FOR UNMANNED AERIAL VEHICLES.// Acta Technologica Agriculturae, 2016, No 3, pp. 70-76, ISSN 1338-5267.
 24. Kuchar P., I. Beloev, S. Lindak. Technical - Economic Analysis and Evaluation of Transport Organization.// AGRICULTURAL, FOREST AND TRANSPORT MACHINERY ANT TECHNOLOGIES, 2016, No Volume III -, pp. 11 - 16, ISSN 2367 - 5888.
 25. Манолова Б., И. Белолев. Относно структурата на интегрирана система за контрол и управление на енергопотреблението на автомобилния транспорт и стационарни консуматори на горива и газ.// Екология и бъдеще, 2016, брой №3, стр. 34 - 38, ISSN 1312 - 0751.
 26. Hristov G., P. Zahariev, I. Beloev. A Review of the Characteristics of Modern Unmanned Aerial Vehicles.// Acta Technologica Agriculturae, 2016, No 2/2016, pp. 33-38, ISSN 1338-5267. (SJR rank: 0.29 /2019, <https://www.scimagojr.com/journalsearch.php?q=21100811733&tip=sid&clean=0>)
 27. Андонов К., Б. Манолова, Б. Евстатиев, И. Белолев. Принципът на модулните матрици в енергетиката.// Екология и бъдеще, 2016, брой №3, стр. 29 - 34, ISSN 1312 - 0751.
 28. Белолев, И., Б. Евстатиев, К. Мартев. Изследване нивата на ветрените източници за енергоосигуряване на бензиностанциите в страната.// Екология и бъдеще, 2015, брой Бр.1-2, стр. 16-19, ISSN 1312-0751.
 29. Beloev, I., N. Nedev, B. Evstatiev. Evaluation of the energy production from photovoltaic installations located in urban areas.// Ecologica (Serbia), 2015, No 22(77), pp. 37-41, ISSN 0354-3285.
 30. Slany V., J. Kleinova, I. Beloev, J. Marecek, V. Krocko. The WiFi Survey with Ekaua Site Survey and its Comparison with other WiFi Survey Tools.// AGRICULTURAL, FOREST AND TRANSPORT MACHINERY ANT TECHNOLOGIES, 2015, No Vol.2, pp. 31-36, ISSN 2367-5888.
 31. Evstatiev, B., I. Beloev. Evaluation of the probabilities for prolonged periods of high and low energy output of wind turbines.// Ecologica (Serbia), 2015, No 22(77), pp. 5-11, ISSN 0354-3285.
 32. Lindak S., I. Janosko , T. Polonec, I. Beloev. Operation Economy of Public Transport Bus Service.// AGRICULTURAL, FOREST AND TRANSPORT MACHINERY ANT TECHNOLOGIES, 2015, No Vol.2, pp. 32-42, ISSN 2367-5888.
 33. Evstatiev, B., I. Beloev, K. Gabrovska. Probabilities for prolonged periods of low and high energy output from photovoltaic generators in Ruse.// Ecologica (Serbia), 2015, No 78, pp. 192-195, ISSN 0354-3285.
 34. Beloev I. Structure and algorithm of a system for cost-benefit analysis of investments in renewable energy sources at gas stations.// Ecologica, Beograd, 2015, No 7, pp. 266-273, ISSN 0354-3285.
 35. Белолев И. Възможности за енергоосигуряване на автомобилите с електрозадвигване чрез фотоволтаични източници.// Екология и бъдеще, 2015, брой Бр.1-2, стр. 3-9, ISSN 1312-0751.
 36. Белолев И. Структура на модулна система за комбинирано енерго осигуряване на автомобилния транспорт и автомобили с електрозадвигване.// Екология и бъдеще, 2015, брой Бр.1-2, стр. 10-15, ISSN 1312-0751.

PAPER

1. Iliev, T.B., E.P. Ivanova, I.S. Stoyanov, I.H. Beloev, G.Y. Mihaylov. GNSS for Accuracy Positioning in Mobile Communications with Multipath Propagation of the Signal. IN: 7th International Conference on Energy Efficiency and Agricultural Engineering, EE and AE 2020, , Institute of Electrical and Electronics Engineers Inc., 2020, pp. -, ISBN 9781728103624.
2. Genç, C., A. Sakalli, I. Stoyanov, T. Iliev, G. Mihaylov, I. Beloev. Development of Wind Energy and the Installed Wind Power Plants in Turkey. IN: 25th Scientific Conference on Power Engineering and Power Machines, PEPM 2020, , EDP Sciences, 2020, pp. -
3. Genç, C., A. Sakalli, I. Stoyanov, T. Iliev, G. Mihaylov, I. Beloev. Wind Energy Potential for Electricity Production in Hatay, Turkey. IN: 25th Scientific Conference on Power Engineering and Power Machines, PEPM 2020, , EDP Sciences, 2020, pp. -
4. Evstatiev, B., D. Trifonov, N. Mihailov, K. Gabrovska-Evstatieva, I. Beloev. A Virtual Lab for Demonstration of Temperature Measurement Errors Due to Transient Heat Transfer. IN: 2020 7th International Conference on Energy Efficiency and Agricultural Engineering (EE&AE), Ruse, Bulgaria, IEEE, 2020, pp. 1-4, ISBN 978-1-7281-0362-4.
5. T. B. Iliev, I. S. Stoyanov, S. A. Sokolov and I. H. Beloev. The Influence of Multipath Propagation of the Signal on the Accuracy of the GNSS Receiver. IN: 43rd International Convention on Information, Communication and Electronic Technology (MIPRO), Opatija, Croatia, 2020, pp. 508-511
6. Dimitar Grozev, Ivan Beloev. STUDY OF OPERATING MODES OF HYDROGEN FUEL CELL HORIZON XP 1000. IN: PROCEEDINGS OF UNIVERSITY OF RUSE - 2020, volume 59, Ruse University, 2020,

ISBN 1311-3321.

7. Asenov A., V. Pencheva, I. Beloev, D. Grozev, P. Daskalov, T. Georgieva. Study of the possibilities of applying hydrogen mobility in modern cities. IN: НК РУ&СУ при РУ "А. Кънчев", Русе. том 58, серия 4., Русе, 2019, ISBN 1311-3321..
8. Hrisotv G., P. Zahariev, I. Beloev, D. Kinaneva, J. Raychev. Development and evaluation of an urban concept vehicle powered by hydrogen fuel cell. IN: Proceedings of University of Ruse - 2019, volume 58, Ruse, Bulgaria, 2019
9. Terziev A., I. K. Iliev, A. G. Georgiev, H. I. Beloev. Analysis of energy production from wind farm on semi-complex terrains. IN: Second International Scientific Conference Alternative energy sources, materials and technologies, Sofia, Publishing house "Imeon" Sole-owner, 2019, pp. 81-83, ISBN 2603-364X.
10. Grozev D., I. Beloev, G. Hristov. CREATING A URBAN VEHICLE PROTOTYPE WITH A HYDROGEN FUEL. IN: PROCEEDINGS Volume 58, book 4 Transport and Machine Science, 2019, Ruse University, 2019, ISBN ISSN 1311-3321.
11. GEORGIEV I., D. GROZEV, I. BELOEV. COMPARISON OF HEURISTIC ALGORITHMS IN SOLVING A SPECIFIC MODEL OF TRANSPORT TASK USING MIXED INTEGER LINEAR PROGRAMING. IN: Transport problems, Katowice, Poland, Katowice, Poland, 2019
12. Evstatiev, B., K. Gabrovska-Evstatieva, V. Voynohovska, I. Beloev. Web-Based Environment for Virtual Laboratories in the Field of Electrical Engineering. IN: 2019 16th Conference on Electrical Machines, Drives and Power Systems (ELMA), Varna, Bulgaria, IEEE, 2019, pp. 398-401, ISBN 978-1-7281-1413-2.
13. Grozev D., I. Beloev, G. Hristov. DETERMINING THE POWER REQUIRED TO DRIVE A PROTOTYPE WITH HYDROGEN FUEL CELL. IN: PROCEEDINGS Volume 58, book 4 Transport and Machine Science, 2019, Ruse University, 2019, ISBN ISSN 1311-3321.
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15. Boris EVSTATIEV, Toncho BALBUZANOV, Ivan BELOEV, Velizara PENCHEVA. INTELLIGENT SYSTEM FOR IMPROVED SAFETY OF PEDESTRIAN TRAFFIC LIGHTS. IN: Transport Problems Conference 2018, Poland, 2018
16. Velizara PENCHEVA, Hristo BELOEV, Dimitar GROZEV, Ivan BELOEV, Asen ASENOV. STUDYING TIME VALUES FOR TAXI SERVICES IN RUSE. IN: Transport Problems Conference 2018, Poland, 2018
17. Белоев И. Автоматизирана система за оценка на разходите и ползите от инвестиция във фотоволтаична инсталация към бензиностанция. В: Научни трудове Русенски университет, том 56, Русе, 2018, ISBN 1311-3321.
18. Iliev, I., I. Beloev, V. Kamburova, A. Terziev. Experimental Validation Data for CFD of Heat Transfer Processes in a New Thermosyphon Heat Exchanger. IN: 8th International Conference on Energy and Environment, CIEM 2017, , Institute of Electrical and Electronics Engineers Inc., 2017, pp. 202-206, ISBN 9781538639436.
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24. Kamburova V, A. Ahmedov, I. K. Iliev, I. Beloev, M. Laković-Paunović. Numerical modeling of the operation of a two-phase thermosyphon with heat carrier desalinated water. IN: 18th Symposium on Thermal Science and Engineering of Serbia, Sokobanja, Serbia, October 17–20, 2017, University of Niš, Faculty of Mechanical Engineering in Niš, 2017, pp. 609-622, ISBN 978-86-6055-098-1.
25. Pencheva V., A. Asenov, I. Beloev, B. Ivanov. State and Development of the Trolley Bus Transport Subsystem in the Republic of Bulgaria.. IN: International Scientific Conference TRANSPORT PROBLEMS, Katowice, Poland, 2017, ISBN 978-83-935232-6-9.
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- conference. Industry 4.0. Business environment. Quality of life, Ruse, 2017, pp. 187-195, ISBN 978-954-712-733-3.
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32. Пенчева В., И. Белоев, С. Борисов, Й. Райчев, Д. Кючукова, Г. Христов, П. Захариев. Приложение на безпилотните летателни апарати за дигитализация и 3D реконструкция на археологически комплекси. В: Научна конференция - „Единно европейско въздушно пространство – същност и предизвикателства пред въздушния суверенитет и бизнеса“, ВА „Г.С.Раковски“, София, 2016
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