

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Assoc. Prof. Dr. Nina Hristova Dobrinkova**
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Telephone(s) +359 2 979 20 57
Fax(es) +359 2 870 72 73
E-mail ninabox2002@gmail.com
Nationality Bulgarian
Date of birth 16th December 1982
Gender Female

Desired employment/ Occupational field

Software development , Management, Coordination tasks

Work experience

- Permanent position in the Institute of Information and Communication Technologies – Bulgarian Academy of Sciences (IICT-BAS)** as a researcher – assoc. Prof. PhD;
- European Central Bank (ECB) Internship position in Department IT-Projects,**
- PhD program in the Institute of Mathematics and Informatics - Bulgarian Academy of Sciences (IMI-BAS)** in the field of systems for early warning in cases of forest fires

Dates **2009 – present:** IIT-BAS and IICT-BAS, positions as research–assistant and research-assoc. Prof. PhD, in departments Optimizations and Decision making and Communication systems and services.

Aug – Dec 2008: European Central Bank – **Internship position in IT-Projects department**

2007-2012: PhD degree program in IMI-BAS

Name and address of employer

IICT-BAS, Acad. G. Bonchev str. Bl. 2, 1113, Sofia, Bulgaria

European Central Bank (ECB) - Kaiserstrasse 29, D-60311, Frankfurt am Main, Germany

Institute of Mathematics and Informatics - Bulgarian Academy of Sciences (IMI-BAS) - Acad. Georgi Bonchev bl 8, Sofia 1113, Bulgaria

Type of business or sector

Research

Education and training

Dates	<p>2007-2012: Phd degree program in the field of Environmental modelling and crisis management at IMI-BAS</p> <p>2000 – 2004: Bachelor degree in Computer Science held in South-West University “Neofit Rilski” – Blagoevgrad,</p> <p>2005 – 2006: Master degree in Computer Science held in South-West University “Neofit Rilski” – Blagoevgrad, with 9 months of the degree spent under Erasmus programme in the Italian University “Universita degli studi di Perugia”</p>																																																					
Principal subjects/occupational skills covered	<p>1) Environmental Modelling</p> <p>2) Computer Science (Informatics)</p>																																																					
Name and type of organisation providing education and training	<p>1) Institute of Mathematics and Informatics – Bulgarian Academy of Sciences, research institute</p> <p>2) South-West University “Neofit Rilski” – Blagoevgrad</p> <p>3) Italian University “Universita degli studi di Perugia”</p>																																																					
Training courses	<p>April-May 2013: Fire Behaviour PostDoc training covering Behave Plus, FLAMmap and WindNindja simulators, held in US Forest Service and Fire Science Laboratory in Missoula, Montana, US.</p> <p>July-August 2012: Fire Behaviour PostDoc training covering FARSITE simulator, held in US Forest Service and Fire Science Laboratory in Missoula, Montana, US.</p> <p>Oct-Nov 2010: UC Denver PostDoc training covering WRF-Fire (SFire) simulator</p> <p>Sept – Nov 2008: German language course held in Volkshochschule – Frankfurt, Germany</p> <p>Jan – May 2005: Italian language course held in Universita’ per Stranieri – Perugia, Italy</p> <p>Aug- Sept 2004: Austro-Bulgarian summer college – Varna, Bulgaria</p> <p>2000-2003: English language courses held in the American University in Bulgaria - Blagoevgrad</p>																																																					
Personal skills and competences																																																						
Mother tongue(s)	Bulgarian																																																					
Other language(s)	English, Italian, German																																																					
Self-assessment <i>European level (*)</i>	<table border="1"> <thead> <tr> <th colspan="4">Understanding</th> <th colspan="4">Speaking</th> <th colspan="2">Writing</th> </tr> <tr> <th colspan="2">Listening</th> <th colspan="2">Reading</th> <th colspan="2">Spoken interaction</th> <th colspan="2">Spoken production</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>English</td> <td>C1</td> <td>Excellent</td> <td>C1</td> <td>Excellent</td> <td>C1</td> <td>Excellent</td> <td>C1</td> <td>Excellent</td> <td>C1</td> <td>Excellent</td> </tr> <tr> <td>Italian</td> <td>C1</td> <td>Excellent</td> <td>C1</td> <td>Excellent</td> <td>C1</td> <td>Excellent</td> <td>C1</td> <td>Excellent</td> <td>C1</td> <td>Excellent</td> </tr> <tr> <td>German</td> <td>B1</td> <td>Very Good</td> <td>B1</td> <td>Very Good</td> <td>B1</td> <td>Very Good</td> <td>B1</td> <td>Very Good</td> <td>B1</td> <td>Very Good</td> </tr> </tbody> </table> <p>(*) <i>Common European Framework of Reference for Languages</i></p>	Understanding				Speaking				Writing		Listening		Reading		Spoken interaction		Spoken production				English	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent	Italian	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent	German	B1	Very Good	B1	Very Good	B1	Very Good	B1	Very Good	B1	Very Good
Understanding				Speaking				Writing																																														
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English	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent																																												
Italian	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent	C1	Excellent																																												
German	B1	Very Good	B1	Very Good	B1	Very Good	B1	Very Good	B1	Very Good																																												
Social skills and competences	Easy-going person																																																					
Organisational skills and competences	I have been contact person on International projects and technical responsible for the implementation of national projects, where my main duties have been correlated to calibrations of different models with real operational data collected on the field with relation to the hazard impact on the surrounding environment																																																					
Technical and computer skills and competences	Windows based OS, Unix based OS, MS Office, Internet and e-mail applications Programming languages: C++, HTML, PHP, MySQL, Scientific and Data processing programs: MatLab, Latex																																																					
Driving licence	Yes																																																					

1. 01.09.2019-31.08.2022 – Project called “Cooperation for fusing skills on Cloud-based Open Geoinformatics: Innovative Environmental Management” acronym: FuseGI funded under Erasmus + Topic “KA2 - Cooperation for innovation and the exchange of good practices”, Type of Action “KA203 - Strategic Partnerships for higher education”, Funding organization: „FR01 Agence Erasmus+ France / Education et Formation”.
2. 01.10.2019-31.03.2022 – Project funded from the European Union's Internal Security Fund – Police under grant agreement No 861789, called: “Confrontation of CBRN-Terrorism Threats” acronym: COBRA.
3. 02.10.2017 – 01.10.2019 - Project under INTERREG “Balkan - Mediterranean” called: “Drought and fire Observatory and eArly waRning systeM” under priority axis Environment, specific objective – Sustainable territories, first call of proposals. Acronym: DISARM - Nina Dobrinkova is responsible for fire simulation for Bulgarian test case at BAS partner institute.
4. 01.02.2018 – 31.01.2020 - DG ECHO funded project under “ECHO A – Emergency Management - A/4 – Civil Protection Policy External line” called: “Alliance for Disaster Risk Reduction” (acronym: ALTER) - Grant Agreement number: 783214, UCPM-2017-PP-AG - Nina Dobrinkova is local responsible for the project technical implementation in BAS partner institute.
5. 02.10.2017 – 01.10.2019 - Cross-border project under INTERREG V-A “Greece-Bulgaria 2014-2020” called: „Protecting biodiversity at NATURA 2000 sites and other protected areas from natural hazards through a certified framework for cross-border education, training and support of civil protection volunteers based on innovation and new technologies” with acronym: eOUTLAND, (MIS CODE 5011437 and reg. number 1672) – Nina Dobrinkova is local responsible for the project in BAS.
6. 01.01.2015-31.12.2016 – International project funded under the financial instrument of DG „ECHO” full name of the project is LANDSLIDE RISK ASSESSMENT MODEL FOR DISASTER PREVENTION AND MITIGATION (AKRONYM: LANDSLIDE) ECHO/SUB/2014/695754. – Nina Dobrinkova is local responsible for the project in BAS.
7. 01.03.2015-28.02.2017- International project funded under the financial instrument of DG „ECHO” full name of the project is „Civil Protection for All” (Acronym: CP4ALL) ECHO/SUB/2014/695754 – Nina Dobrinkova is local responsible for the project in BAS.
8. 01.05.2014-30.04.2017 – FP7 funded project funded under FP7-SEC-2013-1 contract number: 608078, called „Improving Preparedness and Response of Heath Services in major crisis” with acronym: IMPRESS. – Nina Dobrinkova is local responsible for the project in BAS.
9. 01.02.2013-31.01.2015 – International project funded under the financial instrument of DG „ECHO” full name of the project is “Simple Management of Risk Through a Web Accessible Tool for EU Regions” и акроним: SMART WATER ECHO/SUB/2012/638449. – Nina Dobrinkova is local responsible for the project in BAS.
10. 2012 -2014 – Cross-border project under Interreg Greece-Bulgaria “Greece-Bulgria territorial cooperation program 2007-2013”. Full name of the project is: “Open Protocols and tools for the education and Training of voluntary organisations in the field of Civil Protection, against natural Dissasters (forest fires) in Greece and Bulgaria”, acronym: “OUTLAND”.
11. 2011 – 2013 – International project funded under the financial instrument of DG „ECHO” full name of the project is: „Good on Emergency Sytuations”, acronym: GOES 070401/2010/579105/SUB/C4 – Nina Dobrinkova is local responsible for the project in BAS.
12. 2011-2012 – PRACE is a „High-Performance Computing” project which was providing infrastructure for parallel computations during PhD studies. This project has been distributed in: Austria, Bulgaria, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Israel, Italy, The Netherlands, Norway, Poland, Portugal, Serbia, Slovenia, Spain, Sweden, Switzerland, Turkey and the UK.
13. 2009 – 2012: International project under South East Europe - “Practical Use of MONITORing in natural disaster management”- SEE/A/118/2.2/X (acronym: MONITORII).
14. 2010 – 2011: International project called ETN TRICE: Teaching, Research, and Innovation in Computing Education, Erasmus Thematic Network No. 142399-LLP-1-2008-1-BG-ERASMUS-ENW.
15. 2009 – 2010: International project funded under the financial instrument of DG „ECHO” full name of the project is: Complex Floods Management in European Union Vulnerable Areas through effective Reaction and Joint Operations Simulation in 2010, 070401/2009/534328/SUB/A3(EVROS2010).
16. 2010 - U.S. National Foundation grant AGS-0835579 & U.S. National Foundation grant AGS-0835579 - PhD studies funded research under the team of prof. Jan Mandel.

1. 12.12.2017 - 12.06.2020: Bulgarian National Scientific Fund project with grant number DN 12/5 "Efficient Stochastic Methods and Algorithms for Large-Scale Computational Problems".
2. Dec. 2016 – Dec. 2018: Bulgarian National Scientific Fund project with grant number ДМ02/1 "Анализ на данни за интеграцията на ИКТ ресурси в българските училища".
3. 2013 – 2015: Bulgarian National Scientific Fund project with grant number I01/0006 –called "Simulation of wild-land re behavior".
4. 2012-2015 - National project performed under Operative programme "Competitiveness" BG-funded project: A Unified Platform for Administration, Automation, and Management of Internationally Recognized Standards, with main scope on promoting bilateral agreement between private companies and research institutions like IICT-BAS, Supporting the models for management of the internationally recognized standards and tools for processing of pre-developed scenarios and set-ups on disaster management, Building an innovative product and platform for the administration, automation and management.
5. 2012-2015 - working on national project supported by the National Science Fund of the Bulgarian Ministry of Education, Youth and Science under call for "Fundamental scientific research support - 2012" Grant I01/0006 with project name "Simulation of wildland fire behavior" with FARSITE runs for Bulgarian test cases on the territory of Zlatograd municipality.
6. April-May 2013 – ministry of education funded project called "Classification of fuel burning materials according to the Bulgarian forestry maps and its implementation in the computer based systems" project number - MY-8-10/2013r., ДО2-478/26.03.2013r. As part of the Science and Business program for human development BG051PO001-3.3.05-0001.
7. July-August 2012 – ministry of education funded project called "Forest Fire data processing at Missoula Fire Lab in US" project number - MY-3-08/2012, ДО2-465/04.06.2012r. As part of the Science and Business program for human development BG051PO001-3.3.05-0001.
8. 2009 – 2012: working on national project supported by the National Science Fund of the Bulgarian Ministry of Education, Youth and Science under Ideas Concourse Grant DID-02-29 "Modelling Processes with Fixed Development Rules (ModProFix)", with runs of WRF-Fire model for Bulgarian fire in the area of Harmanli.
9. 2009 – 2012: working on national project supported by the National Science Fund of the Bulgarian Ministry of Education, Youth and Science under Thematic Concourse Grant No DTK02/71 "Web-Based Interactive System, Supporting the Building Models and Solving Optimization and Decision Making Problems", with main task optimization of the fire behaviour modelling with Wrf-Fire.
10. 2009 – 2011: working on national project supported by the National Science Fund of the Bulgarian Ministry of Education, Youth and Science under Yong researchers Concourse Grant DMU 02/14 "Collecting and Processing of Data Concerning Wild land Fires, Occurred On The Bulgarian Territory In The Recent Years By Using WEATHER RESEARCH AND FORECASTING MODEL-FIRE (WRF-FIRE)", with main task data collection for calibration of the past fire in the area of Leshnikovo, near Harmanli.
11. 2009 – 2010: working on national project supported by the National Science Fund of the Bulgarian Ministry of Education, Youth and Science under call for stimulation of the scientific research in the state universities, Grant DVU01/0430, project title "Informational Security: Trusted Platforms", with main task of platform tests and publication activities.
12. 2009-2010: Social Fund and Bulgarian Ministry of Education, Youth and Science under Operative Program "Human Resources Development", Grant BG051PO001-3.3.04/40,
13. Oct. 2007 – March. 2008 – working on national project for support writing a FP7 proposal (contract number "СПП-102/07").

Publications of Assoc. Prof. Dr. Nina Dobrinkova

1. **Nina Dobrinkova**, Stefanov S., "Open source GIS for civil protection response in cases of wildland fires or flood events", 12th International Conference on "Large-Scale Scientific Computations" LSSC'19. Lecture Notes in Computer Science, Springer, vol 11958. **2020**, DOI: https://doi.org/10.1007/978-3-030-41032-2_34, Online ISBN 978-3-030-41032-2, ISSN 1611-3349, p. 309- p. 314.
2. **Nina Dobrinkova**, Alexander Arakelyan, Aghavni Harutyunyan, Sean Reynolds "Project for an open source GIS tool for visualization of flood risk analysis after mining dam failures", 12th International Conference on "Large-Scale Scientific Computations" LSSC'19. Lecture Notes in Computer Science, Springer, vol 11958. **2020**, DOI: https://doi.org/10.1007/978-3-030-41032-2_34, Online ISBN 978-3-030-41032-2, ISSN 1611-3349, p. 300- p. 308.
3. **Dobrinkova N.**, "Data optimizations on Kresna Fire (2017) as inputs for WFA simulations" **Springer book Recent Advances in Computational Optimization**. Studies in Computational Intelligence, Volume 838, ISSN 1860-949X, ISSN 1860-9503 (electronic), ISBN 978-3-030-22722-7, ISBN 978-3-030-22723-4 (eBook), **2020** <https://doi.org/10.1007/978-3-030-22723-4>, p.31-p.44.
4. **Dobrinkova N.**, Stefanov S., "Desktop application developed by open source tools for optimizations in cases of natural hazards and field response" **Springer book Recent Advances in Computational Optimization**. Studies in Computational Intelligence, Volume 838, ISSN 1860-949X, ISSN 1860-9503 (electronic), ISBN 978-3-030-22722-7, ISBN 978-3-030-22723-4 (eBook), **2020** <https://doi.org/10.1007/978-3-030-22723-4>, p.17-p.29.
5. Velev T., **Dobrinkova N.**, "The logical model of unify, innovative Platform for Automation and Management of Standards (PAMS)" 1st International Scientific Conference Digital Transformation, Cyber Security and Resilience" DIGILIENCE2019, Sofia 2-4 October 2019. ISIJ Digital Transformation, Cyber Security and Resilience, ISSN 0861-5160 (print), ISSN 1314-2119 (online), vol. 43, no. 1 (2019): 113-120, DOI: <https://doi.org/10.11610/isij.4310>, **2019**, p.113-p.120.
6. **Dobrinkova N.**, Stefan Stefanov, Stefan Hadjitodorov, Alexander Arakelyan, Alen Amirkhanian, Ara Barseghyan, Susan Mnatsakanian, George Drakatos, Christos Evangelidis, Vangelis Katsaros, George Boustras "Emergency planning and optimizations based on dam break flood risk maps visualized with open source web-GIS tool", Proceeding of 14th Federated Conference on Computer Science and information Systems - 12th International (**FEDCSIS'19**), Leipzig, Germany, September, 2019, vol.19, ISBN: 978-83-955416-1-2 (Web), 978-83-955416-2-9 (USB), ISSN: 2300-5963, DOI: <http://dx.doi.org/10.15439/978-83-955416-1-2>, **2019**, p.3-p.7.
7. **Dobrinkova N.**, Cardil A., Boyvalenkov P., Kostadinov H., " The use of Wildfire Analyst in the Kresna Fire 2017 (Bulgaria)", Proceedings for the 6th International Fire Behavior and Fuels Conference April 29 – May 3, 2019, Albuquerque, New Mexico, Marceille. Published by the International Association of Wildland Fire, Missoula, Montana, USA, **2019**, **p.1-p.6**.
8. **Dobrinkova N.**, "Application of GIS tools in wildland fire modeling for south Bulgarian test cases", Proceeding of 26th Symposium 'Deltas and Wetlands' 16-20 May 2018, Tulcea, Romania, Scientific Annals of the Danube Delta Institute, vol. 24.Tulcea (Romania), printed version: ISSN 1842 - 614X, on-line version: ISSN 2247 – 9902, DOI - <https://doi.org/10.7427/DDI.24.26>, **2019**, p. 243 – p. 250.
9. **Nina Dobrinkova**, Alexander Arakelyan, Aghavni Harutyunyan, Andriana Zlatkova "GIS flood Decision Support tool after dam break (Armenian test case)", 19th International multidisciplinary scientific conference **SGEM 2019**, 30 June – 6 July 2019, Albena, Bulgaria, Proceeding Vol. 19, Issue 2.1 (Informatics, Geoinformatics and Remote Sensing), ISBN: 978-619-7408-79-9, ISSN: 1314-2704, DOI: 10.5593/sgem2019/2.1, **2019**, p.911 – p.918.
10. Dobrinkova N., Panayotov M., Boyvalenkov P. (**2019**) Optimisation Techniques in Wildfire Simulations. Test Case Kresna Fire August 2017. In: Nikolov G., Kolkovska N., Georgiev K. (eds) Numerical Methods and Applications. NMA 2018, 9th International Conference on Numerical Methods and Applications August 20- 24, 2018, Borovets, Bulgaria Lecture Notes in Computer Science, vol 11189. Springer, Cham, Print ISBN 978-3-030-10691-1, Online ISBN 978-3-030-10692-8, DOI https://doi.org/10.1007/978-3-030-10692-8_8, pp 72-79.
11. **Nina Dobrinkova**, Thomas Finnie, James Thompson, Ian Hall, Christos Dimopoulos, George Boustras, Yianna Danidou, Nectarios Efstathiou, Chrysostomos Psaroudakis, Nikolaos Koutras, George Eftichidis, Ilias Gkotsis, Marcel Hecke l, Andrej Olunczek, Ralf Hedel, Antonis Kostaridis, Marios Moutzouris, Simona Panunzi, Geert Seynaeve, Sofia Tsekeridou, Danae Vergeti, "Optimisation of Preparedness and Response of Health services in major crises using the IMPRESS platform" Springer book Recent Advances in Computational Optimization. Studies in Computational Intelligence, Volume 795, ISBN:978-3-319-99648-6, ISSN:1860-9503, DOI: 10.1007/978-3-319-99648-6_2, **2019**, p.15-p.34.

12. Terzieva, V., Pavlov, Y., **Dobrinkova, N.**, Paunova-Hubenova, E.. "A Study on Integration of ICT Resources in STEM Education - Utility Assessment". Proceedings of the 11th annual International Conference of Education, Research and Innovation (ICERI2018), November 12–14, 2018, Seville, Spain, IATED, **2018**, ISBN:978-84-09-05948-5, ISSN:2340-1095, p.2434-p.2443.
13. Drakatos George, Evangelidis Christos, Katsaros Vangelis, Boustras Giorgios, Amirkhanian Alen, Reynolds Sean, Barseghyan Ara, Chilingaryan Armen, Mnatsakanian Suzan, **Dobrinkova Nina**, Lazaridou Olia., "ALTER PROJECT: AN ALLIANCE FOR DISASTER RISK REDUCTION IN ARMENIA", Book of Abstracts of the 36th General Assembly of the European Seismological Commission, 2-7 September 2018, Valletta (Malta), ESC2018-S41-293, ISBN: 978-88-98161-12-6, **2018**, p. 632- p. 633.
14. Terzieva, V., Paunova-Hubenova, E., Dimitrov, S., **Dobrinkova N.** "ICT in Bulgarian Schools – Changes in the Last Decade". Proceedings of the 10th International Conference on Education and New Learning Technologies EDULEARN18, 2-4 July 2018, Palma de Mallorca, Spain, 2018, ISBN:978-84-09-02709-5, ISSN:2340-1117, p.6801-p.6810.
15. M. Josifova, **N. Dobrinkova** "Corellated responsibility and risk assessment – effective measure against climate change, disasters and floods" (Book in Bulgarian), **2018**, Amicum Ltd press house, ISBN 978-619-90976-0-1, **216 pages**.
16. **N. Dobrinkova**, P. Maponi, "Landslide Hazard, Environmental Dependencies and Computer Simulations", 11th International Conference on Large-Scale Scientific Computations, Sozopol, Bulgaria, 5– 9 June 2017. Large-Scale Scientific Computing, Lecture Notes in Computer Science, vol. 10665, Springer. DOI: 10.1007/978-3-319-73441-5_50, ISSN 0302-9743 ISSN 1611-3349 (electronic), ISBN 978-3-319-73440-8 ISBN 978-3-319-73441-5 (eBook), **2018**, p. 458-p. 465.
17. **N. Dobrinkova**, "Wildfire optimizations in modeling and calibrations for Bulgarian test cases" Springer book Recent Advances in Computational Optimization. Studies in Computational Intelligence, vol 717., DOI 10.1007/978-3-319-59861-1_2, ISSN: 1860-949X, ISBN: 978-3-319-59860-4, **2018**, p 25 – p. 40.
18. James Thompson, Thomas Finnie, Ian Hall, **Nina Dobrinkova**, "Catching clouds: Simultaneous optimization of the parameters of biological agent plumes using Dirichlet processes to best estimate infection source location", Federated Conference on Computer Science and Information Systems (FEDCSIS 2017) 3-6 September 2017, Prague, Czech Republic. Proceedings of the 2017 Federated Conference on Computer Science and Information Systems Vol. 11, ISSN 2300-5963, ISBN 978-83-946253-7-5 (Web), 978-83-946253-8-2 (USB), 978-83-946253-9-9 (ART), IEEE Catalog Number: CFP1785N-ART (ART), CFP1785N-USB (USB), DOI: <http://dx.doi.org/10.15439/978-83-946253-7-5>, **2017**, p. 481 – p. 484.
19. **Dobrinkova Nina**, Finnie Thomas, Heckel Marcel, Kostaridis Antonis, Efstathiou Nectarios, Olunczek Andrej, Panunzi Simona, Psaroudakis Chrysostomos, Seynaeve Geert, Tsekeridou Sofia, Vergeti Danae, "Implementation of the IMPRESS project platform in real test case scenarios", 5th Annual conference for crisis management and disaster response interagency interaction 1st– 2nd June **2017**, Sofia, Bulgaria. CMDR COE Proceeding **2017**, ISSN 2367-766X vol.1, p. 262 – p.307.
20. **N. Dobrinkova**, A. Kostaridis, A. Olunczek, M. Heckel, D. Vergeti, S. Tsekeridou, Geert Seynaeve, A. De Gaetano, T. Finnie, E. Nectarios, C. Psaroudakis, „**Disaster Reduction Potential of IMPRESS Platform Tools**“, First IFIP Conference on Information Technology in Disaster Risk Reduction (ITDRR 2016), 16-18 November 2016, Sofia, Bulgaria. Information Technology in Disaster Risk Reduction. ITDRR 2016. IFIP Advances in Information and Communication Technology, vol 501. Lecture Notes, Springer., **2017**, Print ISBN 978-3-319-68485-7, Online ISBN 978-3-319-68486-4, ISSN: 1868-4238, DOI: 10.1007/978-3-319-68486-4, p. 225 – p. 239. (**SJR: 0.18**)
21. **N. Dobrinkova**, "Computational Optimizations in wildland fires for Bulgarian test cases", Proceedings of Federated Conference on Computer Science and Information Systems (FEDCSIS 2016) 11-14 September 2016, Gdansk, Poland. DOI: 10.15439/2016F459, ACSIS, Vol. 8. ISSN 2300-5963. **2016**, pp. 543–546.
22. **N. Dobrinkova**, I. Galatas, G. Seynaeve, "An Intelligent System for Resource Allocation Optimization". 8th International Conference on Intelligent Systems (IEEE), 4-6 September 2016, Sofia, Bulgaria. IEEE Catalogue Number: CFP16802-USB. DOI: 10.1109/IS.2016.7737495, ISBN 978-1-5090-1353-1, **2016**, p.641 – p.645.
23. **Dobrinkova N.**, De Gaetano A., Finnie T., Heckel M., Kostaridis A., Nectarios E., Olunczek A., Psaroudakis C., Seynaeve G., Tsekeridou S., Vergeti D., "Crisis Management and disaster response tools in IMPRESS project". 4th Annual conference for crisis management and disaster response interagency interaction 31st May – 2nd June **2016**, Sofia, Bulgaria. CMDR COE Proceeding **2016**, ISSN: 2367-766X, ISBN: vol.2, p. 103 – p.124.
24. **N. Dobrinkova**, G. Seynaeve, A. Slavev, A. Zlatkova, "IMPRESS project decision support tool in real test case scenario application". 6th International Conference on Cartography & GIS with Seminar on EU cooperation for Early Warning and Disaster / Crisis Management, 13-17 June **2016**, Albena, Bulgaria. DOI: 10.13140/RG.2.2.33019.92964. Proceeding book

vol. 2, ISSN: 1314-0604, p. 808 – p. 816. (Indexed by ISI Web of Science database maintained by Thomson Reuters. The IDS Number is: BF90J.)

25. **N. Dobrinkova**, "ICT Technologies in wildland fires modeling for test cases (BULGARIA)". 5th Anniversary International Conference "Techsys 2016"—engineering, technology and systems Technical University of Sofia, Plovdiv Branch. 26 - 28 May 2016. Journal of the Technical University – Sofia, Plovdiv branch, Bulgaria – "Fundamental Sciences and Applications", Vol. 22, 2016, ISSN 1310 – 8271, pp: 38-43.
26. Dobrinkova N., Maponi P., "Decision Support Tool in the Project LANDSLIDE", Advanced Computing in Industrial Mathematics Revised Selected Papers of the 10th Annual Meeting of the Bulgarian Section of SIAM December 21–22, 2015, Sofia, Bulgaria, Springer, K. Georgiev et al. (eds.), Advanced Computing in Industrial Mathematics, Studies in Computational Intelligence. ISBN 978-3-319-49544-6 (eBook), ISBN 978-3-319-49543-9, DOI 10.1007/978-3-319-49544-6_2, Volume 681, ISSN 1860-949X ISSN 1860-9503 (electronic), 2017, p.15-p.22.
27. **Dobrinkova N.**, "Decision support system with Implementation in Natural Hazards Field Tests" , Proceedings BGSIAM'09 Conference, 21-22 December 2009, Sofia, Bulgaria. ISSN:1313-3357, **2010**, p. 23- p. 28.
28. **Dobrinkova N.**, Slavov V., „Flood risk zones of Maritza River and its feeders around Svilengrad municipality estimated under Smart Water project", International Journal of Data Science, Special Issue on Big Data Aspects: Data Analysis and Computing Infrastructure, **2016** Vol. 1 No. 4, DOI: 10.1504/IJDS.2016.081369, ISSN online: 2053-082X, ISSN print: 2053-0811, pp. 330-339.
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