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Curriculum Vitae

Natasha Stojkovikj (Maksimova)

Biografical data:
Born: July 01, 1977
Place: Kocani, Macedonia
Citizenship: Macedonia

Academic degree:
Professor of Mathematics, 2000, Institute of Mathematics, Faculty of Natural Sciences and Mathematics "St. Cyril and Methodius" University Skopje, Macedonia
Thesis title: Markov chain
B.Sc in Informatics, 2002, Institute of Informatics, Faculty of Natural Sciences and Mathematics "St. Cyril and Methodius" University Skopje, Macedonia
Thesis title: Web-Oriented Application Using Oracle Designer6i
M.Sc of computer science,2009 Institute of Informatics, Faculty of Natural Sciences and Mathematics "St. Cyril and Methodius" University Skopje, Macedonia
Thesis title: Reliability of two terminals multi – state networks
Reported PhD dissertation 2011, Faculty of computer science and engineering (FINKI), "St. Cyril and Methodius" University Skopje, Macedonia
Thesis title: Reliability of multi – state networks and optimal improvement of their performance.

Finished software projects:
Computer Grafics: Modelling a real object in C++ Builder 5.0, using the OpenGL libraries;
Databases: Designing a database for student affairs and creating its user interface in ORACLE;
Programming Theory: Rubics cube in Java;
Operation Research: Simulating two-processor system in Java;
Microprocessors and Microcomputers: Programming a microcontroller in assembly;
Programing Systems: Neural Networks in Matlab;
Discrete Mathematics: Shortest path in a graph using the PVM (Parallel Virtual Machine) software.
Working on application Progesa – development and maintenance, 2004 -2008, Maksystem - Skopje

Skills:
Programming languages: SQL, Pascal, C, Java, C++,C#, Lisp, Prolog, Macro Assembler
Programming environments: Oracle Designer, Delphi, C++ Builder, .Net
Operating systems: Windows 9x, Windows XP, UNIX
Applications:, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft FrontPage, Microsoft Access, Dreamweaver, Corel, Microsoft Visio, MathLab, Mathematica, Statistics

Skills in natural languages:
English, French Bulgarian, Serbian

Work experience:
2003 – 2004 Teacher in primary and high school
2004 demonstrator on Institute of Informatics, Faculty of Natural Sciences and Mathematics
2004 – 2008 senior programmer (development, maintenance and communication with client), Maksystem, Skopje
2008 -2010 junior assistant, Faculty of Computer Science, Goce Delcev University - Shtip
2010 assistant, Faculty of Computer Science, Goce Delcev University – Shtip

Courses:
Faculty of Computer Science:
- Object-oriented programming
- Software process
- Probability and Statistics
- Data structure and algorithms
- Modeling and simulation
- Database
- Artificial intelligence
- Digital logic

Faculty of Economics
- Informatics for economist
- Mathematics for economisr

Presentations at conferences and seminars:

1. "Analysis of an Algorithm for Finding Minimal Cut Set for Directed Network", Marija Mihova, Natasha Maksimova, Mathematical Conference 2010 Dedicated to Professor Gorgi · Cupona Ohrid, Macedonia, September 10 - 13, 2010

2. "Multi-state two terminal network reliability estimation using minimal path vectors of the sub networks", M. Mihova, N. Maksimova, Mathematical Conference: 85 Year of professor Blagoj Popov life , Ohrid, Macedonia, September 4-7, 2008

3. "Minimal Cut Sets for Transportation System", M. Mihova, N. Maksimova, 7th International Conference for Informatics and Information Technology (CIIT 2010), Bitola, February, 2010

4. "An algorithm for calculating multi-state network reliability with arbitrary capacities of the links", M. Mihova, N. Maksimova, Z. Popeska, Fourth

International Bulgarian-Greek Conference - Computer Science'2008, September 2008, Kavala, Greece.

5. Optimal improving of network reliability: Reliability of the improved network", M.Mihova, N. Maksimova, Kj. Gjorgjiev, "IV Congress of the Mathematicians of Republic of Macedonia, Struga , October , 2008.

6. "Estimation of minimal path vectors of multi state two terminal networks with cycles control", M.Mihova, N. Maksimova, MASSEE, International Congress on Mathematics, MICOM 2009, Ohrid, Republic of Macedonia16 – 20 September, 2009

7. From 22 to 28 february 2010 year, participant on "Math-Info 2010-Towards new interactions between mathematics and computer science, Sage day", CIRM, MARSEILLE, France.

8. " Analysis of an Algorithm for Finding Minimal Cut Set for Undirected Network", ICT Innovations Conference 2010, Marija Mihova and Natasha Maksimova, 12-15 September 2010, Ohrid, Macedonia.

9. " Political, legal and mathematical forecasts on holding parliamentary elections in the Republic of Macedonia with closed or open lists", Jovan Ananiev, Strashko Stojanovski, Natasha Maksimova, Limonka Lazarova, Science conference of NDI Macedonia, 2010, Skopje, Macedonia.

10. " Internet dependency of the children", Natasha Stojkvovikj, Aleksandra Stojanova, Dushan Bikov, Gabriela Shuteva, III Scientific – professional meeting "Education in 21st century" 9 December, 2011, Bitola, Macedonia

11. " Learning with computer games", Natasha Stojkvovikj, Aleksandra Stojanova, Dushan Bikov, Gabriela Shuteva, III Scientific – professional meeting "Education in 21st century" 9 December, 2011, Bitola, Macedonia.

12. "Fractions and Operation with fractions, Using of Interactive Table", Maksimova N, Suteva G, Jovanov V, 11th International Education Technology Conference (IETC), May 2011, Istanbul, Turkey.

Translation of books:

1. Translation of books "Java how to program" – project of government of Republic of Macedonia.

List of publication:

1. M. Mihova, N. Maksimova, "Minimal Cut Sets for Transportation System", Proceedings of the 7th International Conference for Informatics and Information Technology (CIIT 2010), ISBN 978-9989-668-88-3, (188-193)

2. M. Mihova, N. Maksimova, Z. Popeska, "An algorithm for calculating multi-state network reliability with arbitrary capacities of the links", Proceedings of the Fourth International Bulgarian-Greek Conference - Computer Science'2008,September 2008, Kavala, Greece,(170-175)

3. M.Mihova, N. Maksimova, Kj. Gjorgjiev, "Optimal improving of network reliability: Reliability of the improved network", Proceedings of the IV Congress of the Mathematicians of Republic of Macedonia, Skopje 2010 (247-257)

4. M.Mihova, N. Maksimova, "Estimation of minimal path vectors of multi state two terminal networks with cycles control", MASSEE, International Congress on Mathematics, MICOM 2009, Ohrid, Republic of Macedonia16 – 20 September, 2009, (in print).

5. M.Mihova, N. Maksimova, "Analysis of an Algorithm for finding Minimal Cut Set", ICT Innovations 2010 Web Proceedings ISSN 1857-7288, 299-308

6. Natasha Maksimova, "Simulation of queuing system with finite waiting queue" – Proceedings of FAMIS, Bitola, 2009, (154-164).

7. Natasha Maksimova, Vlatko Jovanovski, Limonka Lazarova, " Computers and networks security on systems for managing with documents"- Proceedings of Faculty of Law, Goce Delcev University – Shtip, 2010 (145-150)

8. Jovan Ananiev, Strashko Stojanovski, Natasha Maksimova, Limonka Lazarova, " Political, legal and mathematical forecasts on holding parliamentary elections in the Republic of Macedonia with closed or open lists", Proceedings of science conference of NDI Macedonia, Skopje, 2010

9. Natasha Stojkvovikj, Aleksandra Stojanova, Dushan Bikov, Gabriela Shuteva ," Internet dependency of the children", Proceeding of the III Scientific – professional meeting "Education in 21st century" , Bitola, December, 2011

10. Natasha Stojkvovikj, Aleksandra Stojanova, Dushan Bikov, Gabriela Shuteva ," Learning with computer games", Proceeding of the III Scientific – professional meeting "Education in 21st century" , Bitola, December, 2011

11. Maksimova N, Suteva G, Jovanov V,"Fractions and Operation with fractions, Using of Interactive Table", Proceeding of 11th International Education Technology Conference (IETC), Istanbul, May 2011.