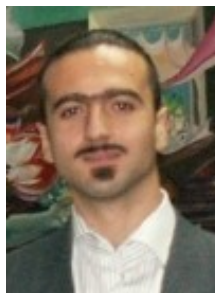


Curriculum Vitae



Personal information

First name(s) / Surname(s) **Nikolay Rumenov Kakanakov**
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Nationality Bulgarian
Date / Place of birth 18.10.1980, Plovdiv
Gender Male

Work experience

Dates *11.2008 – now*
Occupation or position held Assistant professor
Main activities and responsibilities

- Reading lectures;
- Laboratory works;
- Research projects;

Name and Address of the employer Technical University of Sofia, Plovdiv branch
25, Tsanko Diustabanov Str, Plovdiv, Bulgaria
Type of business or sector University / Higher Education

Education and training

Dates *07.2004 – 11.2008*
Title of qualification awarded PhD
Principal subjects/occupational skills covered code: 02.21.04, theme: "Methods for developing distributed embedded systems based on the TCP/IP environment"
Name and type of organisation providing education and training Technical University of Sofia, branch Plovdiv, department "Computer Systems and Technologies"
Dates *10.2003 – 07.2004*
Title of qualification awarded Master of Science
Principal subjects/occupational skills covered Computer Systems and Technologies
Name and type of organisation providing education and training Technical University of Sofia, branch Plovdiv, department "Computer Systems and Technologies"

Dates 09.1999 – 09.2003

Title of qualification awarded Bachelor of Science

Principal subjects/occupational skills covered Computer Systems and Technologies

Name and type of organisation providing education and training Technical University of Sofia, branch Plovdiv, department “Computer Systems and Technologies”

Personal skills and competences

Mother tongue(s) **Bulgarian**

Other language(s)

Self-assessment

English

Russian

Understanding		Speaking		Writing			
Listening		Reading		Spoken interaction		Spoken production	
	<i>very good</i>		<i>excellent</i>		<i>very good</i>		<i>very good</i>
	<i>good</i>		<i>excellent</i>		<i>good</i>		<i>good</i>

Professional Interests Computer Networks, Distributed Systems, Embedded systems, Network Programming, Embedded Networking, Real-time Operating Systems, Middleware technologies, Web Services

Membership in Professional Organizations Bulgarian Union of Automatics and Informatics from 2005

IEEE Student Member 2006-2009

Additional information

Scientific Awards:

Award for best paper of young scientist in science conference of Union of Scientists in Bulgaria, Plovdiv, October 2004.

Award for best presentation from conference “CompSysTech'06”, June, 2006, section “Application aspects of Computer Science”

Teaching experience:

2003-2010 Laboratory work, subject “Computer Networks” in B.Sc. Program in Computer Systems (in Bulgarian).

2004-2010 Laboratory work, subject “Distributed Systems and Computer Communications” in M.Sc. Program in Computer Systems (in Bulgarian).

2004-2010 Laboratory work, subject “Distributed Embedded Systems” in M.Sc. Program in Computer Systems (in Bulgarian).

2009-2010 Lectures, subject “Embedded Systems Programming” in M.Sc. Program in Electronics (in Bulgarian).

2008-2010 Lectures and Laboratory work, subject “Informatics II: computer organization, operating systems, networking” in B.Sc. Program in Industrial Engineering (in English).

Participation in Scientific Projects:

2004-2005 (completed)	Contract I-574/06.08.2004, Technical University of Sofia, branch Plovdiv subject: "Internet-based distributed embedded system for monitoring of parameters in real-time"
2005-2008 (completed)	National Science Fund of Bulgaria project, contract VU-MI-108/2005 subject: "Web Services and Data Integration in Distributed Automation and Information Systems in Internet Environment"
2006-2008 (completed)	National Science Fund of Bulgaria project, contract MU-MI-102/2005 subject: "Analysis of attacks and methods for securing Web services in global networks"
2007-2008 (completed)	Technical University of Sofia project subject: "Web-based experimental network of controllers for analysis of informational interaction in distributed automation systems"
2008-2009 (completed)	Technical University of Sofia project subject: "Web-base experimental network for investigation of information interaction and data traffic in personal health systems (WebPHS)"
2010 (undergoing)	Technical University of Sofia project subject: "Investigation of technologies for development of Web-based systems for measurement and control of electric power systems"

Annexes

Publications:

- | | |
|------|---|
| 2010 | [1]. Kakanakov , N., G. Spasov, "Web enabled system for remote energy management," in Proc. Electronic-ET, 22-24/2010, Sozopol, Bulgaria, pp. , 2010 . |
| 2009 | [1].M. Shopov, N. Kakanakov , G. Petrova, and G. Spasov, "Analysis of input/output methods and wireless protocols for data communications in body sensor networks, " in Proc. Conf. Technics, Technologies, Natural, Humanitarian, and Public Sciences, Plovdiv 2009.
[2].M. Shopov, N. Kakanakov , and G. Spasov, "Distributed system for monitoring of physiological parameters in Web-based Personal Health Systems, " in Proc. Electronic-ET, 14-17.09, Sozopol, Bulgaria, pp. 35-38, 2009.
[3].M. Shopov, N. Kakanakov , and G. Petrova, "Profile-based protocol for data interactions in Body Sensor Networks," in Proc. Electronic-ET, 14-17.09, Sozopol, Bulgaria, pp. 39-42, 2009. |
| 2008 | [1].N. Kakanakov , M. Shopov, and G. Spasov, "Time-Delay Simulation Analysis of Local Controller Networks," in Proc. International Conference on Computer Systems and Technologies (CompSysTech), June 2008, p. IIIA.12.
[2].M. Shopov, N. Kakanakov , and G. Spasov, "On the use of NS-2 is Simulations of Internet-based Distributed Embedded Systems," in Proc. Industrial Electronics (INDEL'08), Banja Luka, Bosnia and Herzegovina, November 2008.
[3]. Kakanakov , N., M. Shopov, G. Spasov, "Experimental Analysis of CoS Performance in Local Controller Networks," in Proc. Electronic-ET, 24-26.09, Sozopol, Bulgaria, pp. 81-86, 2008.
[4].Shopov, M., N. Kakanakov , G. Spasov, "A Web Service for Data Visualization in Distributed Automation and Information Systems," in Proc. International Conference on Computer Sciences, 18-20.09, Kavala, Greece, 2008. |

- 2007 [1].**Kakanakov**, N., E. Kostadinova, "Using SNMP for Remote Measurement and Automation," In Proc. ELECTRONICS07, 19-21 Sept 2007, Sozopol, BULGARIA, pp. 85-90.
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- [4].**Kakanakov**, N., M. Shopov, G. Spasov, H. Hristev, "Performance Evaluation of Switched Ethernet as Communication Media in Controller Networks," International Conference on Computer Systems and Technologies - CompSysTech'07, page IIIA.8, 2007.
- 2006 [1].**Kakanakov**, N., M. Shopov, I. Stankov, and G. Spasov, "Web Services and Data Integration in Distributed Automation and Information Systems in Internet Environment," Journal International Review on Computers and Software, vol. 1, no. 3, pp. 194-201, Nov 2006.
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- [4].N. **Kakanakov**, "An application of web services for distributed measurement," Proc. ISMC (JVA) Youth Session, 2006, pp.55-60.
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- 2004 [1].N. **Kakanakov** and G. Spasov, "*Internet-based distributed embedded system for real-time monitoring*," Proc. Conf. Technics, Technologies, Natural, Humanitarian, and Public Sciences, pp. 46-50, 2004.
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