

Europass Curriculum Vitae



Personal information

First name / Surnames

Kiril Petrov Dimitrov

Address

bl. 2, Acad. G. Bonchev Str., 1113 Sofia, BULGARIA

Telephone

(+359 2) 971 0001 ext. 241

Fax

(+359 2) 872 3905

E-mail

kpd@iccs.bas.bg

Nationality

Bulgarian

Work experience

Dates

1st of July 2010 - to present

Occupation or position held

Assistant professor

Main activities and responsibilities

Research and modeling of dependable, secure and resilient computer systems and networks

Name and address of employer

Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, Bl.2, Acad, G. Bonchev Str., 1113 Sofia, Bulgaria

Type of business or sector

Theoretical and application aspects of research and development of dependable, secure and resilient computer systems and networks

Dates

1994 – 1st of July 2010

Occupation or position held

Research fellow (Assistant professor)

Main activities and responsibilities

Research and modeling dependable computer and communication systems

Name and address of employer

Institute of Computer and Communication Systems, Bulgarian Academy of Sciences, Bl.2, Acad, G. Bonchev Str., 1113 Sofia, Bulgaria

Type of business or sector

Theoretical and application aspects of research and development of dependable computer and communication systems

Dates

1991 – 1994

Occupation or position held

Research fellow

Main activities and responsibilities

Research and modelling of dependable computer and communication systems

Name and address of employer

Institute of Computer Systems, Bulgarian Academy of Sciences, Bl.2, Acad, G. Bonchev Str., 1113 Sofia, Bulgaria

Type of business or sector

Dependable computer and communication systems

Dates

1989 – 1991

Occupation or position held

Research fellow

Main activities and responsibilities

Design and development of hardware and software

Name and address of employer

Institute of Technical Cybernetics and Robotics, Bulgarian Academy of Sciences, Bl.2, Acad, G. Bonchev Str., 1113 Sofia, Bulgaria

Type of business or sector

Reliable multiprocessor and distributed systems for real-time process control

Dates 1984 – 1989
Occupation or position held specialist - hardware designer
Main activities and responsibilities Design and development of hardware
Name and address of employer Institute of Technical Cybernetics and Robotics, Bulgarian Academy of Sciences, Bl.2, Acad. G. Bonchev Str., 1113 Sofia, Bulgaria
Type of business or sector Reliable multiprocessor and distributed systems for real-time process control

Dates 1981 - 1984
Occupation or position held Engineer – designer
Main activities and responsibilities Design and development of Radio Electronic devices
Name and address of employer Institute of Radio Electronics – RESPROM, Sofia, Bulgaria
Type of business or sector General purpose Radio-Electronics / RESPROM

Education and training

Dates 1976 - 1980
Title of qualification awarded M.Sc. (Engineer) in Radio-Electronics
Principal subjects/occupational skills covered Radio Technics
Name and type of organisation providing education and training Higher Institute of Mechanical and Electrical Engineering (Technical University), Sofia
Level in national or international classification M.Sc.

Dates 1970 - 1974
Title of qualification awarded technician
Principal subjects/occupational skills covered Computing Machinery
Name and type of organisation providing education and training High Technical School of Electronics
Level in national or international classification High education

Personal skills and competences

Mother tongue **Bulgarian language**

Other languages

Self-assessment

European level (*)

English

Russian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B1	Independent user	B2	Independent user	B1	Independent user	B2	Independent user	B1	Independent user
B2	Independent user	B2	Independent user	B1	Independent user	B2	Independent user	B1	Independent user

(*) [Common European Framework of Reference for Languages](#)

Research interests Dependability and security of computer and communication systems
New and advanced approaches in building and operating dependable and secure ICT: towards resilient and survivable computer systems and networks
Quality of Service (QoS) in ICT

Professional skills and competences Complex assessment of complex communication systems: modeling and simulation
Computer networks and Internet, the main principles and reference models (OSI Basic Reference Model, TCP/IP, SNA, DNA, ATM etc.), engineering
Quality of service (QoS) in computer and communication systems: provisioning and assessment; (Int-Serv, Diff-Serv, MPLS)

Technical skills and competences	Electronic measurements (including: logic- and spectrum-analysers), development systems
Computer skills and competences	<p>The main principles and basics in the fields of: information security (PKI, SSL/TLS, S/WAN, IPSec, PPTP, L2TP, AAA) and data backup solutions and data recovery</p> <p>Development tools (environments) and languages: POSIX-OS (UNIX, "C"- basics, shell scripting), REAL Network Simulator (NetLanguage), NS Simulator (Tcl/Tk, OTcl), SVN, TeX/LaTeX</p> <p>Operation systems: UNIX (FreeBSD, Sun Solaris), Linux, DOS, MS Windows (3.11/95/98/XP)</p>
Projects	Participation in more than 30 projects (2 of them international, 1 with the National Innovation Fund)
Publications	<p>List of publications in the last 5 years.</p> <ol style="list-style-type: none"> 1. E. Djambazova, M. Almgren, K. Dimitrov, E. Jonsson, "Emerging and Future Cyber Threats to Critical Systems", in J. Camenisch, V. Kisimov, and M. Dubovitskaya (Eds.): iNetSec 2010, LNCS 6555: Open Research Problems in Network Security, pp. 29-46, 2011. 2. K. Dimitrov, P. Popov, Aspects of Resilience in the Information Society Technologies, AUTOMATICA & INFORMATICS, ISSN 0861 – 7562, YEAR XLIII, No. 4/2009, pp.63-66. (in Bulgarian) 3. E. Djambazova, K. Dimitrov, "Cyber Security Aspects in Critical Systems and Applications", Proceedings of the ICCS-BAS, Vol. 3, 2009, pp. 93-103. 4. H. Bos, E. Jonsson, E. Djambazova, K. Dimitrov, S. Ioannidis, E. Kirda and C. Kruegel, "Anticipating Security Threats to a Future Internet", White Paper, March 2009, http://www.ict-forward.eu/media/publications/fia-whitepaper.pdf. 5. K. Dimitrov, Resilience aspects in ICT, Proceedings of ICCS-BAS, ISSN 1313 – 2210, Year 2, Volume 2, 2008, pp. 127-132. (in Bulgarian) 6. P. Petrov, K. Dimitrov, E. Djambazova, Quality of service and security in computer and communication networks, Proceedings of ICCS-BAS, ISSN 1313 – 2210, Year 2, Volume 2, 2008, pp. 133-138. (in Bulgarian) 7. K. Dimitrov, "Quality of Service aspects in Information and Communication Technologies", Proceedings of ICCS-BAS, ISSN 1313 – 2210, Year 1, Volume 1, 2007, pp. 208-216. (in Bulgarian) 8. K. Dimitrov, "Study and Analysis of a computer network with elements of dependability", Engineering sciences, ISSN 1312-5702, Year XLIV, book 1/2007, pp. 5-15. (in Bulgarian) 9. K. Dimitrov, "Model for System Optimization of Information-Reservation Tour System under dynamic variable environment", Proceedings of ICCS-BAS, ISSN 1313 – 2210, Year 1, Volume 1, 2007, pp. 17-26. (in Bulgarian) 10. R. Andreev, K. Dimitrov, "Identification of Communication model for Information-Reservation System for Tourism – Virtual Tour Operator", Proceedings of ICCS-BAS, ISSN 1313 – 2210, Year 1, Volume 1, 2007, pp. 192-200. (in Bulgarian) 11. K. Dimitrov, "Modeling Environment for complex assessment in communication Systems", Proceedings of ICCS-BAS, ISSN 1313 – 2210, Year 1, Volume 1, 2007, pp. 201-207. (in Bulgarian) 12. T. Velevev, P. Petrov, R. Andreev, K. Dimitrov, E. Djambazova, L. Fenerdjiev, A. Afusova, D. Dimitrov, "Internet-based Information-Reservation and Communication System for Tourism", Proceedings of ICCS-BAS, ISSN 1313 – 2210, Year 1, Volume 1, 2007, pp. 8-16. (in Bulgarian)
Patents	2 Bulgarian certificates of authorship in the field of distributed systems
Driving licence	Yes / B,M