

Europass Curriculum Vitae



Personal information

First name / Surnames

Petia Iotkova Kademova-Katzarova

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Nationality

Bulgarian

Date of birth

16.10.1952

Work experience

Since July 2010 r.	senior associate scientist at Institute of Information and Communication Technologies – Bulgarian Academy of Sciences (BAS)
February 2006 r. June 2010 r.	Research Association I grade at Institute of Computer and Communication Systems (IKKS) - BAS
January 2001 r. January 2006 r.	academic at Technical University of Ilmenau, Germany
August 1994 r. December 2000 r.	Research Association I grade at Institute of Computer and Communication Systems (IKKS) - BAS
October 1990 r. July 1994 r.	Research Association I grade at Institute of Informatics (II)- BAS
September. 1988 r. September 1990 r.	Research Association I grade at Institute of Technical Cybernetics and Robotics (ITKR)- BAS
July 1986 r. August 1988 r.	Research Association II grade at Institute of Technical Cybernetics and Robotics (ITKR)- BAS
December 1985 r. June 1986 r.	specialist at Institute of Technical Cybernetics and Robotics (ITKR) - BAS
October. 1982 r. November 1985 r.	PhD student at Technical University of Ilmenau, Germany
April 1982 r. September 1982 r.	specialist at Institute of Technical Cybernetics and Robotics (ITKR) - BAS
September 1977 r. March 1982 r.	software engineer at Institute of Computer Science (IIT)

Education and training

Dates	August 2000 – September 2000
Title of qualification awarded	DAAD Scholarship
Principal subjects/occupational skills covered	"Untersuchungen und Modellierungsmöglichkeiten von isochronen Diensten"
Name and type of organisation providing education and training	Technical University of Ilmenau, Germany
Dates	July 1995 – August 1995
Title of qualification awarded	DAAD Scholarship
Principal subjects/occupational skills covered	"Verifikation von Kommunikationsprotokollen"
Name and type of organisation providing education and training	Technical University of Ilmenau, Germany

Dates | October 1982 – November 1985
 Title of qualification awarded | Dr.-Ing.
 "Grammatik für eine Dialogsprache für ein Mehrebenen-Entwicklungssystem"
 Principal subjects/occupational skills covered | Technical Informatics
 Name and type of organisation providing education and training | Technical University of Ilmenau, Germany
 Level in national or international classification | PhD

Dates | September 1971 – August 1975
 Title of qualification awarded | Dipl.-Ing.
 Principal subjects/occupational skills covered | "Data Processing"
 Name and type of organisation providing education and training | Technical University of Ilmenau, Germany
 Level in national or international classification | MSc

Personal skills and competences

Mother tongue | **Bulgarian**

Other languages

Self-assessment

European level ()*

German

Russian

English

Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
B1	Independent user	C1	Proficient user	A2	Basic user	B1	Independent user	B2	Independent user
A1	Basic user	B1	Independent user	A1	Basic user	A1	Basic user	A1	Basic user

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

Organisational skills and competences | Management of exploratory projects and software teams;
 Supervision of diploma thesis and students projects

Computer skills and competences | MS Word, MS Excel, MS PowerPoint, various assemblers, various operating systems, real-time-systems

Teaching | Practical courses, seminars and lectures at Technical University of Ilmenau, Germany
 1976, 1977, 1982, 1986, 1989, 2001 – 2006
 Supervision of diploma thesis and students projects 1982 - 1985, 2001 - 2002

Others | Participation in scientific conferences about development of VME-Bus systems 1986 – 1990
 Participation in technical expert boards about harmonization of the technical base for regulation of the communications in Bulgaria in accordance with the European directives 1995 -1999

Projects	<ul style="list-style-type: none"> • Development of components for e-learning systems for people with special learning needs • Harmonization of Bulgarian Standard with the European Standards for TETRA and TETS technologies • Harmonization of Bulgarian Standard with the European Standards for satellite communications S-PCN and SES • Harmonization of Bulgarian Standard with the European Standards for ISDN-communications • Technologies for communications amount different nets • Computer analyze and recognition of symbols in a cadastre • Methods and means for design of bus-based computer architectures in control systems • Methods and means for new information technologies (exploratory project) • Graphical Workstation with VME-Bus connection • A system for automation of the scientific experiments • A system for automation of the design (exploratory project) • Module set CSI 68K, compatible with VME-standard • Real time control systems with VME-modules (international) • Software for emulators and logical analyzers for a development system on the base of a table-computer (Germany) • Distributes control system MIK 2000 • Text processing machine IZOT 1002 C • Multi desk machine IZOT 1021 C • Mini terminal IZOT 8500
Publications	<ol style="list-style-type: none"> 1. Terzieva, V.; Kademova-Katzarova, P.; Andreev, R.: E-learning in support of learning difficulties, Proceedings of International Conference Automatics and Informatics'10, 3–7 October, Sofia, Bulgaria, 2010, pp. I-323 – I-326, (ISSN 1313-1850). 2. Kademova-Katzarova, P.; Andreev, R.; Terzieva, V.: An Adaptable E-Learning System for Pupils with Specific Learning Difficulties, CEUR Workshop Proceedings, Vol. 646, 2010, Germany, pp. 31-36 (ISSN 1613-0073). 3. Kademova-Katzarova, P.; Andreev, R.; Terzieva, V.: An Adaptable E-Learning System for Pupils with Specific Learning Difficulties, 55. IWK, TU Ilmenau, Germany, 2010, pp. 549–554 (ISBN 978-3-938843-53-6). 4. Terzieva, V.; Kademova-Katzarova, P.; Andreev, R.: A System for Effective Electronic Education of Children with Educational Difficulties, Proceedings of ICCS-BAS, vol. III, pp. 43-52, ISSN 1313-2210. 5. Andreev, R., Terzieva, V., Kademova-Katzarova, P.: An Approach to Development of Personalized E-learning Environment for Dyslexic Pupils' Acquisition of Reading Competence, International Conference on Computer Systems and Technologies - CompSysTech'09. 6. Terzieva, V.; Kademova-Katzarova, P.: A Conceptual Model of a System for Electronic Education of Dyslexic Children, Proceedings of ICCS-BAS, vol. II, pp. 67-75, ISSN 1313-2210. 7. Kademova-Katzarova, P.; Istatkova, G.: PHP and MySQL in WEB-Based Education of Children with Special Educational Needs, Proceedings of International Conference Automatics and Informatics'08", pp. IX-5–IX-8, ISSN 1313-1850. 8. Istatkova, G.; Kademova-Katzarova, P.: Object-Oriented Programming with PHP and MySQL for Electronic WEB-Based Education, Proceedings of ICCS-BAS, vol. I, pp. 92-99, ISSN 1313-2210.
Driving licence	B, M
Additional information	Member of the Automatic and Informatics Association