



PERSONAL INFORMATION

Daniela Asenova Gotseva



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Sex Female | Date of birth 04/01/1967 | Nationality Bulgarian

JOB APPLIED FOR

Lecturer

From 2015

Dean of Faculty of Computer Systems and Control

Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

Business or sector Higher Education, Management

WORK EXPERIENCE

From 2014

Professor

Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

- Research area: Systems Programming
- Lecturer and research activities in Computer Science field.
- All of my courses are posted at <http://dgotseva.com>

Business or sector Higher Education, Management

From 2008

Vice Dean at Faculty of Computer Systems and Control

Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

- Responsible for Master Degree of Computer Systems and Technology and Information Technology,
- Responsible for Bachelor Degree of Computer and Software Engineering and Information Technology in Industry;
- Student administration

Business or sector Higher Education, Management

2008-2014

Associated Professor

Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

- Research area: Automated Data Processing and Management Systems
- Lecturer and research activities in Computer Science field.
- All of my courses are posted at <http://dgotseva.com>

Business or sector Higher Education, Management

- 2002-2008 **Chief Assistant Professor**  
 Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

  - Labs, lectures and research activities in Computer Science field..
  - All of my courses are posted at <http://dgotseva.com>

**Business or sector** Higher Education, Management
  
- 1998-2002 **Senior Assistant Professor**  
 Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

  - Labs and research activities in Computer Science field..
  - All of my lab materials are posted at <http://dgotseva.com>

**Business or sector** Higher Education, Management
  
- 1996-1998 **Assistant Professor**  
 Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

  - Labs and research activities in Computer Science field..
  - All of my lab materials are posted at <http://dgotseva.com>

**Business or sector** Higher Education, Management

EDUCATION AND TRAINING

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- 21-24 February 2005 **Certificate**  
 Partners in Learning, Microsoft Corporation, Hungary, Budapest

  - How to train young programmers in Visual Basic
  
- August, 2001 **Certificate**  
 Rila Solutions, Bulgaria

  - CTEC Course on Visual Basic
  - 1-week course for Visual Basic development
  
- 1997-2005 **PhD in Artificial Intelligence**  
 Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

  - PhD Thesis “Fuzzy language extension in conventional programming languages”
  
- 1984-1989 **MSc in Computer Systems (Engineer)**  
 Computer System Department, Faculty of Computer Systems and Control – Technical University of Sofia, 8, Kliment Ohridski St, Sofia 1000, Bulgaria, <http://tu-sofia.bg>

  - Engineer in computing machinery and programming languages

PERSONAL SKILLS

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Mother tongue(s) Bulgarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	

English	C1	C2	C1	C1	C1
Russian	C1	C1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
 Common European Framework of Reference for Languages

**Communication skills**

- Good communication skills gained through my experience as lecturer
- Team spirit; good ability to adapt to multicultural environments, good communication skills gained through my experience as university teacher and vice dean council member.

**Organisational / managerial skills**

- Leadership (currently responsible for Bachelor Degree of Computer and Software Engineering and Information Technology in Industry educations;
- Student administration in the Faculty of Computer Systems and Control at Technical University of Sofia (currently responsible for 1000 people);
- Good experience in project management through work upon 4 international and 4 national projects;
- Reviewer (1) and Organization Committee Member (1) of International Conferences.

**Job-related skills**

- Embedded programming for robots and other devices,
- Database system management,
- C#, J# and .NET programming,
- Object oriented analysis and design techniques – C++, Java, C#
- UML and Architecture/Design using Rational Rose,
- Desktop and Distributed Application Development;
- ERP SAP System;
- SAP Hana Cloud

**Computer skills**

- good command of Microsoft Office™ tools
- good knowledge of Linux tools and OS

**Other skills**

- Customer specifications negotiation and expectation management
- BrainBench tests: Delphi 3.0, Java 1, UML Beta test, C
- ISO-9001:1996/2000 Quality control.

**Driving licence**

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**ADDITIONAL INFORMATION**

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<b>Publications</b>	22 papers and 3 books from recent 5 years
<b>PhD Students</b>	Supervisor of 8 PhD students: <ul style="list-style-type: none"><li>▪ 2 successful defences, - 1 in English and 1 in Bulgarian</li><li>▪ 4 ready for defence – 1 in English and 3 in Bulgarian</li><li>▪ 2 in the process of developing a thesis – 1 in English and 1 in Bulgarian</li></ul>
<b>Created Laboratories</b>	<ul style="list-style-type: none"><li>▪ Databases</li><li>▪ ERP Systems</li><li>▪ Systems Programming</li></ul>
<b>Honours and awards</b>	<ul style="list-style-type: none"><li>▪ Rotary International and Ministry of Education award for contribution of IT technologies into Education, 2006</li><li>▪ Ministry of Education award of Second National Conference of using IT in Physics at secondary school, 2004</li></ul>
<b>Memberships</b>	<ul style="list-style-type: none"><li>▪ Member of IEEE (Computer Society, Computational Intelligence Society),</li><li>▪ Member of Bulgarian Federation of Engineering Association</li></ul>

## ANNEXES

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- List of recent publications (2012-2016);
- web page: <http://dgotseva.com>

## Annex 1

### RECENT PUBLICATIONS (2012 - 2016)

1. Gotseva, D., Trifonov, R., Angelov, V., Data Mining and Classification Techniques, International Journal of Software and Web Sciences (IJSWS), Vol. 1, Issue 17, June-August 2016, pp. 01-06. (IF: 5.88)
2. Gotseva, D., Kesova, V., Instructional design for distance learning conducted by the National Institute of Justice consistent with the characteristics of the profiled target group of learners, International Journal of Engineering, Business and Enterprise Applications (IJEBA), Vol. 1, Issue 16, March-May 2016, pp. 01-07. (IF: 6.32)
3. Nakov, O., Gotseva, D., Mpinos, A., A Dynamic Maintenance System for Electric Motor Using Bayesian Networks, Journal of Computer & Communication Engineering, vol. 9, 2/2015.
4. Kesova, V., Gotseva, D., Educational-Methodical Guidance in Electronic Remote Training of Magistrates at the National Institute of Justice (in Bulgarian), Journal of Computer & Communication Engineering, vol. 9, 1/2015.
5. Nakov, O., Gotseva, D., M.Ch. Anastasios, A DYNAMIC MAINTENANCE SYSTEM FOR ELECTRIC MOTOR USING ULTRASOUND MONITORING, Proceedings of the 13th International Conference on Challenges in Higher Education and Research in the 21st Century, 2015, Sozopol, Bulgaria.
6. Gotseva, D., Lichev, L., Hendrych, J., Kunchicky, R., Feberova, K., A new method of defining objects of interest and 3D visualization in FOTOM-NG system, Proceedings of the 7th International Scientific Conference "Computer Science'2015", 2015.
7. Nakov, O., Gotseva, D., Zuliamova, B., Performance of RSA Algorithm Using Chinese Remainder Theorem, Journal of Computer & Communication Engineering, vol. 8, 2/2014.
8. Nakov, O., Gotseva, D., Zuliamova, B., Protected Distance Voting with Paper Ballots (in Bulgarian), Journal of Computer & Communication Engineering, vol. 8, 2/2014.
9. Gotseva, D. I. Dimakopoulos, I. Simonov, An Analysis of Decision Support Systems, Journal of Computer & Communication Engineering, vol. 7, 2/2013, pp.12-17.
10. Gotseva, D., I. Simeonov, I. Dimakopoulos, Strategies for Improving DSS Research, International Journal of Software and Web Sciences (IJSWS), Sept. - Nov. 2013, issue 6, pp. 1-5.
11. Stankov, I., O. Nakov, D. Gotseva, I. Simeonov, Development of Compression Algorithms. Research and Analysis of their Performance in Heterogeneous Database (in Bulgarian), Journal of Computer & Communication Engineering, vol. 7, 1/2013, pp. 33-39.
12. Gotseva, D., M. Pavlov, Aspect-Oriented Design Diversity, International Journal of Emerging Technologies in Computational and Applied Sciences(IJETCAS), Dec. 2012-Feb. 2013, issue 3, vol. 2, pp.128-132.

13. Gotseva, D., M. Pavlov, How Aspect-Oriented Programming Can Enforce Clean Design, International Journal of Software and Web Sciences (IJSWS), Dec. 2012-Feb. 2013, issue 3, vol. 2, pp. 63-68.
14. Pavlov, M., D. Gotseva, An Experimental Aspect-Oriented Design Methodology, IJCSI International Journal of Computer Science Issues, Vol. 10, Issue 2, No 1, March 2013, pp. 486-490.
15. Gotseva, D., I. Dimakopoulos, Knowledge representation with SOA, IJCSI International Journal of Computer Science Issues, Vol. 10, Issue 1, No 3, January 2013, pp. 443-448.
16. Gotseva, D. An Investigation of String and String Builder Classes in C#, Journal of Emerging Trends in Computing and Information Sciences, vol. 4, No 12, December, 2013, pp. 964-970.
17. Gotseva, D. Stafull Knowledge Session Implementation with Rete Algorithm, RECENT Journal, vol. 14, no. 3(39) November 2013, pp. 160-164.
18. Gotseva, D., Fuzzy Object-Oriented Programming (in Bulgarian), Monography, TU-Sofia, 2012.
19. Gotseva, D., M. Pavlov, Aspect-Oriented Programming with AspectJ, International Journal of Computer Science Issues, vol. 9, issue 5, September 2012, pp. 212-218.
20. Gotseva, D., I. Dimakopoulos, An Approach to Representation of Artificial Intelligence in Java, Journal of Computer & Communication Engineering, vol. 6, 2/2012, pp. 23-27.
21. Gotseva, D., M. Pavlov, Aspect Orientation: The Path to Highly Modular Software Design, Journal of Computer & Communication Engineering, vol. 6, 1/2012, pp.17-20.
22. Gotseva, D. L. Nimrawi, Comparison between Object-Relational and Object-Oriented Databases. Case Study, RECENT Journal, vol. 13, no. 3(36) November 2012, pp. 291-295.

**Annex 2****Books – all are written in Bulgarian (2012-2016)**

1. Trifonov, R, D. Gotseva, D. Budakova, S. Nedev, Manual on Operations research and application programming, „Avangard Prima“, Sofia, 2013.
2. Gotseva, D., V. Gancheva, F. Petrov, „Databases“, TU-Sofia, 2012.
3. Borovska, Pl., R. Trifonov, S. Manolov, D. Gotseva, „e-commerce“, „Avangard Prima“, Sofia, 2012.