



## **Prof. Eng. Radi Petrov ROMANSKY** **(Ph.D., D.Sc.)**

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### **Scientific Degrees**

March, 2013	<i>D.Sc. (Doctor of Science) in Informatics and Computer Science (speciality Informatics), Technical University – Sofia</i> Dissertation “ <i>Mathematical Formalization and Investigation by Modeling of Structures and Processes for Information Servicing</i> ” ( <a href="http://mail.nacid.bg/newdesign/bg/index.php?id=7">http://mail.nacid.bg/newdesign/bg/index.php?id=7</a> )
December, 1986	<i>Ph.D. (Doctor) in Computer Engineering, Technical University – Sofia</i> Dissertation “ <i>Measurement and Evaluation of the Digital Computer Systems Performance</i> ”

### **Education**

X.1974-III.1979	<i>Dipl. Eng. (M.Sc.) in Computer Engineering, Technical University – Sofia</i>
IV.1979-X.1980	<i>M.Sc. in Applied Mathematics, Institute of Applied Mathematics, Technical University – Sofia</i>

### **Specialization**

June, 1992	Specialization in <i>Software Engineering</i> , Slovak Technical University, Bratislava, Slovak Republic
June 2003 June 2004	EASMUS Specialization in <i>Computer Architectures and Reconfigurable Processors</i> , Delft Technical University, Delft, The Netherlands

### **Academic Experience**

I.2010-present	<i>Full Professor in Computer Systems, Complexes and Networks, (Technical University – Sofia, Bulgaria)</i>
IV.1996-II.2010	<i>Associate Professor in Computer Systems, Complexes and Networks (Computer Systems Department, Technical University – Sofia, Bulgaria)</i>
VI.1985-V.1996	<i>Assistant Professor (Computer Systems Department, Technical University – Sofia, Bulgaria)</i>
X.1980-VI.1985	<i>Technological Engineer (Computer Systems Department, Technical University – Sofia, Bulgaria)</i>

### **Administrative Experience**

XII.2015-present	<i>Vice Rector of Academic Staff &amp; Coordination (Technical University – Sofia, Bulgaria)</i>
XII.2011-present	<i>Member of the Academic Council (Technical University of Sofia, Bulgaria)</i>
XII.2011-XI.2015	<i>Vice Chairman of the General Assembly (Technical University – Sofia, Bulgaria)</i>
V.2010-IX.2015	<i>Head of the Electronics, Computer Systems and technologies Department (College of Energy and Electronics at Technical University – Sofia, Bulgaria)</i>

VI.2002-XII.2007	<i>Member of the Commission for Personal Data Protection of the Bulgaria</i> (elected by the Bulgarian Parliament)
VI.2004-VI.2007	Member of Specialized Scientific Council on Electronics and Computer Technique, High Attestation Commission of Republic of Bulgaria
III.2000-III.2004	<i>Head of the Computer Systems Department</i> (Technical University – Sofia, Bulgaria)

### Main Areas of Scientific Interests

- Computer Technologies; Information and Network Technologies; Computer Modeling; Web-based Technologies; e-Government; e-Learning
- Data Protection (Personal Data Protection); Information Security
- Computer Systems, Complexes and Networks; Computer Architectures for Parallel and Distributed Processing
- Automation of the Scientific experiment; Investigation, Analysis and Evaluation of Computer Processes and Information Processing

### Membership in Management Councils

V.1998-present	<i>Member of Management Council</i> of Union of Electronics, Electrical Engineering and Communication (elected by General Assembly of the Union)
2013 - present	<i>Member of Consultative Council</i> of Center for Research and Analysis
2009 - 2011	<i>Member of Management Council</i> of Centre for Peace Research and Security Policy

### Membership

II.2011-present	Full Member of the European Network of Excellence on High Performance and Embedded Architectures and Compilation – HiPEAC (Affiliate Member 2008-2011)
Since 1996	Member of Union of Electronics, Electrical Engineering and Communication (CEE)
Since 1993	Member of Union of Automatics and Informatics
Since 1990	Member of Union of Scientists in Bulgaria

### Member of International Editorial Board of scientific Journals

- ✓ Journal of Information, Control and Management Systems (**Slovakia**);
- ✓ International Journal on Information Technologies and Security (**Bulgaria**);
- ✓ International Journal of Data Modelling and Knowledge Management (**India**);
- ✓ International Journal of Engineering & Technology (**Int’l Science Publ. Corp.**);
- ✓ ICT International Reviewer’s Panel, Hamdard University (**Pakistan**);
- ✓ Journal “Bulgarian science”, ISSN 1314-1031 – online: <http://www.nauka.bg/> (**Bulgaria**);
- ✓ “Electronics and Electro-technique – E+E” (**Bulgaria**);
- ✓ Journal of Systemics, Cybernetics and Informatics, ISSN 1690-4524 (**USA**)

### Activity in the Field of Personal Data Protection

- Member of
- ✓ International Working Group on Data Protection in Telecommunications (**2004 – 2007**)
  - ✓ International Workshop on Case Handling (**2004 – 2007**)
  - ✓ International Working Party on Police and Justice (**2006 – 2007**)
  - Member of the Appeals Committee of the of the Europol Joint Supervisory Body (**2007**)

### Publications

- ✓ Scientific publications – over 195
  - ✓ Published books – 19, including 12 monographies and book & 7 educational manuals
- Remark: some publications are presented below

## List of selected books

- Romansky, R. *Computer Technologies*. Sofia, 1999 (216 p.), in Bulgarian
- Romansky, R. and I. Noninska. *Information and Network Technologies*. Sofia, 2002 (160 p.), in Bulgarian
- Romansky, R. *Computer Technique Fundamentals*. Sofia, 2002 (188 p.), in Bulgarian
- Romansky, R. and I. Noninska. *Informatics (Information Technique, Systems and Technologies)*. Sofia, 2003 (255 p.)
- Romansky, R. *Computer Architectures* (ISBN 978-954-9518-51-1), Sofia, 2008 (152 p.), in Bulgarian
- Romansky, R. *Technology of Computer Modelling* (ISBN 978-954-397-002-5), Sofia, 2008 (180 c.), in Bulgarian
- Romansky, R. and I. Noninska. *Information Technologies in the Business* (ISBN 978-954-397-007-0), Sofia, 2009 (240 p.), in Bulgarian
- Romansky, R. *Applied Informatics* (ISBN 978-954-397-006-3), Sofia, 2008 (168 p.), in Bulgarian
- Romansky, R. and I. Noninska. *Information Technologies and Data Protection in the Business* (ISBN 978-619-160-450-0), Sofia, 2015 (292 p.), in Bulgarian
- R. Romansky. *Information Servicing in Distributed Learning Environments* (ISBN 978-3-330-02932-3), LAP LAMBERT Academic Publishing, Saarbrücken, Germany, 2017 (100 p.), in English

## List of selected publication after year 2012

- Romansky, R., E. Parvanova. Remote Access Evaluation to the Knowledge Resources of a Virtual Lab. *Journal of Advances in Computational Research: An International Journal* (New Delhi, India), ISSN 2277-5781, No 1-2, vol. 1, 2012, pp.1-5.
- Romansky, R. Discrete Simulation of the Remote Access Evaluation to the Resources of a Virtual Research Laboratory. *International Journal of Information Technology and Computer Science* (Hong Kong), ISSN: 2074-9007 /Print; ISSN: 2074-9015 /Online, No 1 (vol. 4), 2012, pp.1-8 (<http://www.mecs-press.org/ijitcs/>).
- Romansky, R. Cloud Services: Challenges for Personal Data Protection. *International Journal on Information Technologies and Security* (ISSN 1313-8251), No 3, 2012, pp.67-80 ([ijits-bg.com](http://ijits-bg.com)).
- Parvanova, E., Romansky, R. Investigations in the Field of 3D Web-based Modelling and Visualization. *Proceedings of the International Conference on Information Technologies (InfoTech-2012)*, ISSN 1314-1023, 20-21 September 2012, St. St. Constantine and Elena, Bulgaria, pp.61-66.
- Romansky, R. A Formal Approach for Modelling and Evaluation in the Field of Computing. *International Transaction on Electrical, Electronics & Communication Engineering* (ISSN 2249-8923), UK, № 4 (vol. 2), July, 2012, pp.1-7 (<http://www.ada-lovelace.co.uk>)
- Romansky, R. An Application of Procedure for Analytical Evaluation of Computer Structures. *International Journal on Information Technologies and Security* (ISSN 1313-8251), No 2, 2013, pp.55-63 ([ijits-bg.com](http://ijits-bg.com)).
- Romansky, R. New European Thematic Network “Future Education and Training in Computing How to support learning at anytime anywhere” (FETCH). *International Journal on Information Technologies and Security* (ISSN 1313-8251), No 4, 2013, pp.47-54 ([ijits-bg.com](http://ijits-bg.com)).
- Romansky, R. Problems of Privacy and Data Protection in the Online Learning Based on the Network Space. *Proceedings of the International Conference on e-Learning'14* (ISBN 978-954-712-611-4), 12 September 2014, University La Laguna, Tenerife, Spain, pp.187-193.
- Romansky, R. Digital Privacy in the Network World. *Proceedings of the International Conference on Information Technologies (InfoTech-2014)*, ISSN 1314-1023, 18-19 September 2014, St. St. Constantine and Elena, Bulgaria, pp.273-284 ([infotech-bg.com](http://infotech-bg.com)).
- Peev, St., Romansky, R. Technological Aspects of Mobile Payments Organization. *International Journal on Information Technologies and Security* (ISSN 1313-8251), No 3, 2014, pp.55-65 ([ijits-bg.com](http://ijits-bg.com)).
- Romansky, R. “Privacy and Security Considerations” (Chapter 7), pp.9-16. in “PSTNization of the Internet”, ed. R. Romansky (BG), B. Khasnatish (USA), Intarea Working Group, 13 November 2014 (19 p.), Draft publication ‘draft-rdsx1-intarea-pstnize-internet-00.txt’, <http://datatracker.ietf.org/doc/draft-rdsx1-intarea-pstnize-internet/>, USA PDF-version: <https://tools.ietf.org/pdf/draft-rdsx1-intarea-pstnize-internet-00.pdf>
- Romansky, R. Social Media and Personal Data Protection. *International Journal on Information Technologies and Security* (ISSN 1313-8251), No 4, 2014, pp.65-80 ([ijits-bg.com](http://ijits-bg.com)).
- Romansky, R., Irina Noninska. An Investigation of Secure Access and Privacy Protection in e-Learning Environment. *Proc. of the International Conference on e-Learning'15* (ISSN 2367-6698), 11-12 September 2015, Berlin, Germany, pp.280-285.
- Romansky, R., Irina Noninska. Implementation of Security and Privacy Principles in e-Learning Architecture. *Proceedings of the 29<sup>th</sup> International Conference on Information Technologies (InfoTech-2015)*, ISSN 1314-1023, 17-18 September 2015, St. St. Constantine and Elena, Bulgaria, pp.66-77([infotech-bg.com](http://infotech-bg.com)).

- Romansky, R., Irina Noninska. Formalization and Modelling of Secure Access at e-Learning Environment. *Proceedings of the 29<sup>th</sup> International Conference on Information Technologies (InfoTech-2015)*, ISSN 1314-1023, 17-18 September 2015, St. St. Constantine and Elena, Bulgaria, pp.78-91 (infotech-bg.com).
- Romansky, R. Social Computing and Digital Privacy. *Communication & Cognition*, ISSN 0378-0880, Belgium, № 3-4 (vol. 48), November 2015, pp.65-82.
- Romansky, R., I. Noninska. Globalization and Digital Privacy. *Electrotechnika & Electronica (E+E)*, ISSN: 0861-4717, Bulgaria, No 11/12, vol.50, 2015, pp. 36-41 (on-line version: <http://ceec.fnts.bg/journal.html>)
- Romansky, R., Irina Noninska. Discrete Formalization and Investigation of Secure Access to Corporative Resources. *International Journal of Engineering Research and Management* (ISSN: 2349-2058), India, No 5, vol.3, May 2016, pp. 97-101 (<https://www.ijerm.com/vol/Volume-03-Issue-05>)
- Romansky, R., Irina Noninska. An Approach for Modelling of Security Procedures for Information Resources Protection. *International Advanced Research Journal in Science, Engineering and Technology (IARJSET)*, ISSN: 2393-8021/print 2393-1588, India, No 6, vol.3, June 2016, pp.1-6. DOI 10.17148/IARJSET.2016.3601 (<http://www.iarjset.com/volume-3-issue-6>)
- Romansky, R., Irina Noninska. Architecture of Combined e-Learning Environment and Investigation of Secure Access and Privacy Protection. *International Journal of Human Capital and Information Technology Professionals (IJHCITP)*, ISSN: 1947-3478, IGI Global Publ., USA, No 3, vol.7, 2016, pp. 89-106. DOI: 10.4018/IJHCITP.2016070107 <http://www.igi-global.com/journal/international-journal-human-capital-information/1152>
- Romansky, R., I. Noninska. Stochastic Investigation of Secure Access to the Resources of a Corporative System. *International Journal of Scientific & Engineering Research (IJSER)*, ISSN 2229-5518, USA (Houston, TX), № 1 (vol. 8), January 2017, pp. 578-584 <http://www.ijser.org/onlineResearchPaperViewer.aspx?Stochastic-Investigation-of-Secure-Access-to-the-Resources-of-a-Corporative-System.pdf>