



## **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>Postgraduate Qualification (M.Sc. Level) 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	ERASMUS 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 (elected by the Bulgarian Parliament)</i>

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 Systems, Architectures and Technologies; Computer Modelling and Simulation; Networking and Cloud Technologies; e-Governance; e-Learning
- Personal Data Protection & Information Security; Privacy in Digital Space
- Automation of the Scientific experiment; Investigation, Analysis and Evaluation of Computer Processes and Information Processing

### Membership in Management Councils

I.2018 - present	<i>Member of Advisory Board</i> of “The Swiss Innovation Lab”, Swiss Innovation Valley ( <a href="http://www.swissinnovationvalley.com/">http://www.swissinnovationvalley.com/</a> )
2013 - present	<i>Member of Consultative Council</i> of Center for Research and Analysis
V.1998-present	<i>Member of Management Council</i> of Union of Electronics, Electrical Engineering and Communication (elected by General Assembly of the Union)
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.**), **Germany/UAE**;
- ✓ 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**), reviewer

### 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 200 publications in Journals (Bulgaria, Belgium, India, Hong Kong, Nigeria, Norway, Romania, Russia, Slovak Republic, Spain, Ukraine, UK, USA); and in Conference Proceedings (Bulgaria, France, Germany, Latvia, Portugal, Romania, Russia, Serbia, Spain, The Netherlands, Turkey).
  - ✓ Published books – over 20, including 14 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., 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., 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., 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., 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
- Romansky, R., I. Noninska. *Principles of Secure Access and Privacy in Combined E-Learning Environment: Architecture, Formalization and Modelling*. Chapter 9 in the book: *Multidisciplinary Perspectives on Human Capital and Information Technology Professionals* (Ed. Vandana Ahuja & Shubhangini Rathore). IGI Global Publ., USA, ISBN13: 9781522552970; EISBN13: 9781522552987, 2018, in English.
- Romansky, R. *Technical Informatics*, KING, 2018, 160 p., in Bulgarian

## List of selected publication after year 2014

- 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).
- 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).
- 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).
- 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).
- 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, No 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>
- Romansky, R., I. Noninska. Architecture of a Combined System for E-Learning: Model Investigation of the Processes for Information Resources Protection. *Educational Technology and Society – part 2 in Russian (Образовательные технологии и общество)*, (ISSN 1436-4522), № 3 (vol. 20), VII.2017, pp. 409-421. ([http://ifets.ieee.org/russian/periodical/V\\_203\\_2017EE.html](http://ifets.ieee.org/russian/periodical/V_203_2017EE.html)), in Russain
- Romansky, R. Opportunities of the Digital Space and Challenges for Privacy and Individual's Security. *Proceedings of the 31<sup>st</sup> International conference on Information Technologies (InfoTech-2017)*, ISSN 1314-1023, Bulgaria, 20-21 Sep. 2017, pp. 169-178 <http://infotech-bg.com/proceedings>
- Romansky, R., I. Noninska. Access to Information Resources in Digital Spaces – Challenges for Security and Privacy. *Communication & Cognition*, ISSN 0378-0880, Belgium, № 1-2 (vol. 50), August 2017, pp. 11-26. <https://www.lotuswebtec.com/en/journals/c-c-lid-tijdschriften.html> <https://www.lotuswebtec.com/en/cc-journal/vorige-nummers-c-c-tijdschriften.html>
- Romansky, R. A Survey of Digital World Opportunities and Challenges for User's Privacy. *International Journal on Information Technologies and Security*, ISSN 1313-8251, Bulgaria, No. 4 (vol. 9), December 2017, pp. 97-112, <http://ijits-bg.com/ijitsarchive>
- Romansky, R., I. Noninska. An Approach for Investigation of Secure Access Processes at a Combined e-Learning Environment. *AIP Conference Proceedings (American Institute of Physics), Proceedings of the 43<sup>rd</sup> Internatioinal Conference Applications of Mathematics in Engineering and Economics (AMEE'17)*, ISSN 978-0-7354-1602-4, USA, Volume number: 1910, December 2017, pp.060001-1 – 060001-9 <https://doi.org/10.1063/1.5013995>; Table of Contents: <http://aip.scitation.org/toc/apc/1910/1>