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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> ” (http://mail.nacid.bg/newdesign/bg/index.php?id=7)
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-XI.2019	<i>Vice Rector of Academic Staff & Coordination (Technical University – Sofia, Bulgaria)</i>
XII.2011-XI.2019	<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 (http://www.swissinnovationvalley.com/)
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

- ✓ International Journal on Information Technologies and Security, ISSN 1313-8251 (**Bulgaria**);
- ✓ Journal “Bulgarian science”, ISSN 1314-1031 – online: <http://www.nauka.bg/> (**Bulgaria**);
- ✓ “Electronics and Electro-technique – E+E”, ISSN0861-4717 (**Bulgaria**);
- ✓ Journal of Systemics, Cybernetics and Informatics, ISSN 1690-4524 (**USA**)
- ✓ Electrotechnic and Computer Systems, ISSN 2221-3805; eISSN 2221-3937 (**Ukraine**)
- ✓ Mathematics, ISSN 2227-7390 (**Switzerland**)
- ✓ International Journal of Human Capital and Information Technology Professionals, ISSN 1947-3478 (**USA**)
- ✓ Siberian Aerospace Journal (**Russian Federation**)

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 215 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 25, 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., I. Noninska. *Architecture of Combined E-Learning Environment and Investigation of Secure Access and Privacy Protection*, Chapter 65 in the book “Censorship, Surveillance, and Privacy: Concepts, Methodologies, Tools, and Applications” (4 volumes), IGI Global, USA, ISBN: 978-1-522-571-131 (hardcover); ISBN 978-1-522-571-148 (ebook), October 2018 (2174 p.), pp. 1345-1356; DOI:10.4018/978-1-5225-7113-1 (in English)
- Romansky, R. *Technical Informatics*, KING, 2018, 160 p., in Bulgarian
- Romansky, R. *Advanced Computer Architectures*, ISBN: 978-619-239-181-2, Avangard-Prima, Sofia, 2019, 184 p., in Bulgarian
- Romansky, R. *Formalization and Discrete Modelling of Communication in the Digital Age by Using Graph Theory*, Chapter 13 in the book “Handbook of Research on Advanced Applications of Graph Theory in Modern Society“ (ed. Madhumangal Pal, Sovan Samanta & Anita Pal), IGI Global, USA, ISBN 9781522593805, eISBN: 9781522593829, August 2019 / Jan 2020 (601 pages), pp. 320-353; DOI: 10.4018/978-1-5225-9380-5.ch013, in English
- Romansky, R. *Digital Age and Personal Data Protection*, ISBN: 978-620-4-73564-1, LAP LAMBERT Academic Publishing, 14 January 2022, 124 p., in English

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 978-954-71'2-611-4), 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 29th 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 29th 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), No 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), No 3 (vol. 20), VII.2017, pp. 409-421. (http://ifets.ieee.org/russian/periodical/V_203_2017EE.html), in Russian
- Romansky, R. Opportunities of the Digital Space and Challenges for Privacy and Individual's Security. *Proceedings of the 31st 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, No 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 43rd International 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>
- Romansky, R., K. Kirilov. Model Investigation and Realization of Web-based Application about GDPR. *Proceedings of Digest of the IX National Conference with International Participation "Electronica-2018"*, May 17-18, 2018, Sofia, Bulgaria, pp.80-81. IEEE Conference, IEEE Xplore DL
- Romansky, R., K. Kirilov. Architectural Design and Modelling of a Web Based Application for GDPR Clarification. *AIP Conference Proceedings (American Institute of Physics)*, ISSN 978-0-7354-1774-8, USA, vol. No. 2048, pp. 060006-1 – 060006-8; <https://doi.org/10.1063/1.5082121> (*Proceedings of the 44th International Conference on Applications of Mathematics in Engineering and Economics – AMEE'18*)
- Romansky, R. A Survey of Informatization and Privacy in the Digital Age and Basic Principles of the New Regulation. *International Journal on IT and Security* (ISSN 1313-8251), 2019, vol. 11, No. 1, pp. 95-106.
- Romansky, R., I. Noninska. Cyber Space Features – Security and Data Protection Requirements. *Proceedings of the 2019 IEEE International Conference on Information Technologies (InfoTech-2019)*, IEEE Xplore DL, 2019, 4 p., DOI: 10.1109/InfoTech.2019.8860880
- Romansky, R., I. Noninska. Stochastic Investigation of the External Access to Protected Information Resources. *AIP Conference Proceedings (American Institute of Physics), Proceedings of the 45th International Conference on Applications of Mathematics in Engineering and Economics (AMEE'19)*, ISBN 978-0-7354-1919-3, USA, Volume number: 2172, 13 November 2019, Publ. No. 090002, pp.090002-1 – 090002-11
- Romansky, R., I. Noninska. Technological Organization of the Access Management to Information Resources in a Combined e-Learning Environment. *International Journal on IT and Security* (ISSN 1313-8251), 2019, vol. 11, No. 4, pp. 51-62.
- Romansky, R., I. Noninska. Business Virtual System in the Context of E-Governance: Investigation of Secure Access to Information Resources. *Journal of Public Affairs*, ISSN: 1472-3891, E-ISSN: 1479-1854, UK, John Wiley & Sons, Inc., Vol. 20, No 3, August 2020, e2072; (<https://doi.org/10.1002/pa.2072>)
- Romansky, R., I. Noninska. Challenges of the Digital Age for Privacy and Personal Data Protection. *Mathematical Biosciences and Engineering* (ISSN-online 1551-0018, Publisher AIMS Pres), vol. 17, No. 5, August 2020, pp.5288-5303 (article MBE2020268), DOI: 10.3934/mbe.2020286

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- Romansky, R. An Approach for Mathematical Modelling and Investigation of Computer Processes at a Macro Level. *Mathematics*, ISSN 2227-7390, Vol. 8, Issue 10, October 2020, 1838, Switzerland, MDPI AG, DOI: 10.3390/math8101838
- Shirinkina, E. V., Romansky, R. Assessment of the Synergetic Efficiency of Industrial Companies Reengineering Processes. *Journal of Physics: Conference Series (APITECH II)*, 1679, (year 2020) article 032014, pp.1-5; IOP Publishing, UK; doi:10.1088/1742-6596/1679/3/032014; 25 November 2020.
- Romansky, R. Informatization of the Society in the Digital Age. *Biomedical Journal of Scientific & Technical Research*, ISSN 2574-1241, USA, no.3, vol.33, 2021, pp.25902-25910. DOI: 10.26717/BJSTR.2021.33.005418
- Romansky, R. Social Computing and Privacy. *Biomedical Journal of Scientific & Technical Research*, ISSN 2574-1241, USA, no.5, vol.33, 2021, pp.26156-26162. DOI: 10.26717/BJSTR.2021.33.005455
- Romansky, R. Program Environment for Investigation of Micro-level Computer Processing. *International Journal on IT and Security*, no. 1, vol. 13, March 2021, pp.83-92.
- Romansky, R., I. Noninska. Deterministic Modelling of a Management System with Protected Access to Virtual Resources. *AIP Conference Proceedings (American Institute of Physics)*, vol. 2333, article 090003, March 2021, pp. 090003-1-090003-10, doi: 10.1063/5.0041760 (<https://aip.scitation.org/doi/10.1063/5.0041760>) *Proceedings of the 46th International Conference on Applications of Mathematics in Engineering and Economics (AMEE'20)*, ISBN 978-0-7354-4077-8, USA
- Romansky, R., I. Noninska. Investigation of Communication Parameters in Multicomputer Architecture with Ring Topology. *Proceedings of the 2021 IEEE International Conference on Information Technologies (InfoTech-2021)*, 16-17 Sept 2021, St. St. Constantine and Elena, Bulgaria, pp. 119-123; ISBN: 978-1-6654-0323-8; IEEE Xplore DL, DOI: <https://ieeexplore.ieee.org/xpl/conhome/9548322/proceeding>
- Romansky, R. Mathematical Modelling and Study of Stochastic Parameters of Computer Data Processing *Mathematics*, ISSN 2227-7390, Vol. 9, Issue 18, September 2021, art. 2240, Switzerland, MDPI AG. DOI: 10.3390/math9182240
- Romansky, R. Privacy and Data Protection in the Contemporary Digital Age. *International Journal on Information Technologies and Security*, No. 4 (vol. 13), 2021, pp. 99-110
- Romansky, R., I. Noninska. Deterministic Model Investigation of Processes in a Heterogeneous e-Learning Environment. *International Journal of Human Capital and Information Technology Professionals (IJHCITP)*, ISSN: 1947-3478, IGI Global Publ., USA, No 1, vol. 13, 2022, pp. 1-16. DOI: 10.4018/IJHCITP.293228
- Noninska, I. Romansky, R. Organization of Technological Structures for Personal Data Protection. *International Journal on Information Technologies and Security*, No. 1 (vol. 14), 2022, pp. 97-106