




## PERSONAL INFORMATION

Yuri Shunin



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 State personal website(s): <http://www.lza.lv/scientists/SHUNIN.HTM>

Sex Men | Date of birth 06/03/1951 | Nationality Latvia

## WORK EXPERIENCE

2012 - now	Leading researcher of ISSP LU, Department of Theoretical Physics and Computer Modelling, Institute of Solid State Physics, University of Latvia, 8 Kengaraga Str., LV-1063 Riga, Latvia
2006 - now	Vice-Rector for academic issues, ISMA University, Latvia, Riga, 1 Lomonosov Str., Bld. 6, LV-1019, <a href="http://www.isma.lv">www.isma.lv</a>
2018 - now	Latvian State Professor, LU
2013 - now	Leading researcher of Latvian Transport and Education Association
2013 - 2017	Latvian State Professor, LU
2006 - 2012	Latvian State Professor, LU
2003 - 2006	Vice-rector for innovation issues, ISMA
1999 - 2003	The Head of Natural Sciences and Computer Technologies Department, ISMA
2001	Head of General and Applied Physics Division, TTI
1999 - 2001	Director of Fundamental and Social Sciences Department, TTI
1999 - 2000	Professor of Physics, TTI
1998 - 1999	The Head of General and Applied Physics Department, TTI
1992 - 1998	Professor
1998 - 2004	Latvian State Professor, RAU
1986 - 1992	Associate Professor
1984 - 1986	Senior lecturer
1976 - 1984	Assistant of Professor
1974 - 1976	Senior engineer, young research worker RCAEI RCAEI - Riga Civil Aviation Engineering Institute, RAU - Riga Aviation University, TTI - Transport and Telecommunication Institute, ISMA- Information Systems Management Institute

## EDUCATION AND TRAINING

2004	Academician of International Academy of Refrigeration (Russia-Latvia, No. 1210)
1995	RAU Professor (Latvia, 1995, PA Nr. 000051)
1995	Professor (RUSSIA, ПП N 004792)
1993	Dr. Habil. Sc. Eng. (Latvia, G-Dh Nr. 000010)
1992	Dr. Sc. Eng. (Latvia, G-D No. 000027)
1992	Dr. Sc. Habil. (Phys. & Math.) (01.04.07- solid state physics) 1992, Sankt-Petersburg, Ioffe Physical and Technical Institute of Academy of Sciences of Russia, ДТ N 018478
1987	Dozent (USSR, ДЦ N 001932)
1982	Dr.Sc. (Phys.& Math.), PhD (01.04.07-solid state physics) 1982, Riga-Salaspils, Physics

- Institute of Latvian Academy of Sciences, **KĀ N 002764**  
 1968 - 1974 Moscow Physical and Technical Institute (1968-1974), Faculty of Aerophysics and Cosmic Investigations Qualification: engineer-physicist; speciality: **aerodynamics & thermodynamics, diploma A-I N 273706**  
 1968 1<sup>st</sup> Riga High School

## PERSONAL SKILLS

Mother tongue(s) Russian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Latvian	free	free	free	free	free
English	free	free	free	free	free
German	good	good	satisfactory	satisfactory	satisfactory
Spanish	good	good	satisfactory	satisfactory	satisfactory
Italian	good	good	satisfactory	satisfactory	satisfactory

## PROFESSIONAL ACTIVITIES AND MEMBERSHIPS

Expert of Latvian Council of Sciences, Solid State Physics  
 Member of Council of Latvian Union of Scientists (1990-1993)  
 Member of Latvian Association of Professors (from 1997)  
 Owner of scientific grant of Latvian Council of Science  
 2011 - NATO ARW 'Nanodevices and Nanomaterials for Ecological Security', 20.-23.06.2011. - director, grant's owner Yuri Shunin  
 Director of study programmes:  
 MSc&PR Computer Modelling of Semiconductor Technologies (RAU-TTI) (1999-2000)  
 BSc Semiconductor Electronics and Semiconductor Technologies (RAU-TTI) (1998-2001)  
 BSc&MSc Computer modelling of new technologies (TTI) (2000)  
 MSc Information Systems Management (TTI) (2001- )  
 BSc&MSc&PR Computer Technologies Management (ISMA) (2001 - )  
 BSc&PR Information Systems (ISMA) (2001 - )  
 MSc Computer systems (ISMA) (2005 - )  
 BSc&MSc&PR Oil Industry Management (2003 - )  
 BSc&MSc&PR Nanomanagement (2011 - )  
 Editor-in-Chief of International Journal RAU Scientific Reports ISSN 1407-2742, ISSN 1407-3005 (on-line) (1996-1998)  
 Editor-in-Chief of International Journal Computer Modelling and New Technologies ISSN 1407-5806, ISSN 1407-5814 (on-line) (since 1999)  
 Editor-in Chief of Scientific Popular Journal Nature and Computer World (since 2001)  
 NATO Advanced Research Workshop Proceedings: Nanomaterials and Nanodevices for Ecological Security – Editor Yuri Shunin (2011-2012)  
 Head of the Editorial Board of the International Journal Information Technologies, Management and Society  
 Member of the Editorial Board of the International Journal 'Innovative Information Technologies'(since 2008)  
 Director of Correspondence School on Physics, Mathematics and Computer Modelling (e 2000-2002, ISI-TTI)  
 The Member of RAU Senate (1997-1999)  
 The Member of TTI Senate (2000-2003)  
 The Member of ISMI Senate (since 1999)  
 The Head of ISMI Senate (2000-2003)  
 The Member of Latvian State Qualification Commission (1999-2004)  
 Coordinator of the International Conference INFORMATION TECHNOLOGIES AND MANAGEMENT  
 Coordinator of the International Conference Open Learning & Distance Education  
 J. Phys. A: Mathematical and General – referee (jpphysa@iop.org)  
 Int. Summer School on Computer Technologies – coordinator (ISMA-Rostok University – BaSoTi 2007)  
 Head of Professorship Council NATURAL SCIENCES AND INFORMATION TECHNOLOGIES (2016- ) [http://www.aip.lv/prof\\_saraksts.htm](http://www.aip.lv/prof_saraksts.htm),  
<http://www.isma.lv/en/professorship-councils/professorship-council-on-the-natural-sciences-and-information-technologies>

**Visiting research:**

- 1995 - Gesellschaft fur Schwerionenforschung mbH Darmstadt, Germany, visiting professor
- 2011- INFN - Laboratori Nazionali di Frascati, Frascati-Rome, Italy, visiting professor
- 2012- INFN - Laboratori Nazionali di Frascati, Frascati-Rome, Italy, visiting professor
- 2013- INFN - Laboratori Nazionali di Frascati, Frascati-Rome, Italy, visiting professor
- 2014- INFN - Laboratori Nazionali di Frascati, Frascati-Rome, Italy, visiting professor
- 2015- INFN - Laboratori Nazionali di Frascati, Frascati-Rome, Italy, visiting professor
- 2016- INFN - Laboratori Nazionali di Frascati, Frascati-Rome, Italy, visiting professor
- 2017- INFN - Laboratori Nazionali di Frascati, Frascati-Rome, Italy, visiting professor

Collaboration

- Gesellschaft fur Schwerionenforschung mbH Darmstadt, Germany
- Royal Institution of Great Britain London, GB
- Physics Institute of Heidelberg University Heidelberg, Germany
- University of Osnabrueck, Osnabrueck, Germany
- University of Ben-Gurion Beer Sheva, Israel
- University of Sankt-Petersburg, Sankt-Petersburg, Russia
- Solid State Physics Institute of Latvian University, Riga, Latvia
- Helsinki University of Technology, Helsinki, Finland
- BALTIC SCIENTIFIC INSTRUMENTS, Riga, Latvia
- INFN - Laboratori Nazionali di Frascati, Frascati-Rome, Italy
- South-Ukrainian National Pedagogical University, Odessa, Ukraine
- Kaunas University of Technology, Panevezhys Institute, Faculty of Management and Administration, Centre of Languages, Panevezhys, Lithuania
- Vilnius University, Vilnius, Lithuania
- Vilnius Business College, Vilnius, Lithuania
- University of Eastern Finland, Joensuu, Finland
- Savonia University of Applied Sciences, Kuopio, Finland
- Belarusian State University, Minsk, Belarus
- Moscow University, Moscow, Russia
- Sapienza Universita di Roma, Rome, Italy

Grants and projects

- Grant 2001-2003 'Optimization of Latvian Transport Systems' Researcher Yu. Shunin.
- LSC grant owner (Nr. 90.892) (1990-1993) (Nr. 93.0197) (1994-1996) (Nr. 96.0023) (1997-1999): (Nr. 00.0077) (2000-2003): MATHEMATICAL SIMULATION AND CALCULATION OF FUNDAMENTAL PROPERTIES OF DISORDERED CONDENSED MEDIA
- LSC grant owner (Nr. 04 .0139) (2004-2008): MATHEMATICAL AND COMPUTER MODELLING OF FUNDAMENTAL PROPERTIES OF DISORDERED CONDENSED MEDIA
- The 7th European Framework project **CATHERINE (2008-2011)**. 11 institution consortium. Researcher Yu. Shunin.
- The 7th European Framework Project (N 247007) **CACOMEL (2011-2014)** —Nano-carbon based components and materials for high frequency electronics, FP7-PEOPLE-2009-IRSES, Marie Curie Actions—International Research Staff Exchange Scheme (IRSES) Researcher Head of Latvian team Yu. Shunin.
- **2011** - NATO ARW 'Nanodevices and Nanomaterials for Ecological Security', 20.-23.06.2011. - director, grant's owner Yuri Shunin
- **2014-2015** Latvia-Belarus project *Correlation of electromagnetic, machanical and heat properties od aerogels and polimer composites with nanocarbon inclusions, RTU-BSU* (Researcher, the head of theoretical team)
- **2015-2017** Nanostructures for bacteria detection and study (**NANOBAC**) *Kazakhstan-Latvia-Chekhia-Israel consortium*

Study courses

Natural and Computer Sciences

Natural Sciences and Computer Technologies

general physics, quantum and statistical physics, amorphous semiconductors, mathematical and computer modelling, crystalline physics, physically topological simulation of semiconductor devices, optical systems of communication and memory, solid state electronics elements marketing, methods of mathematical physics, Green functions methods, ion implantation methods, programming (Basic, C++, Pascal, Fortran), databases, numerical methods, computer modelling of semiconductor technologies, operations investigation, thinking ordering, nanophysics, nanodevices and nanotechnologies

Management Sciences

chaos theory sinergetics, chaos theory and sinergetics, game theory, risk theory, analytical management, nanomanagement and nanorisks

Education

Systemic Approach for Professional Competences Acquisition, nanoeducation

PUBLICATIONS

Total number of publications – about 540

Papers and books 2010-2018

- **Yuri Shunin**, Stefano Bellucci, Alytis Gruodis, Tamara Lobanova-Shunina **2018** Nonregular Nanosystems - Theory and Applications **Series:** Lecture Notes in Nanoscale Science and Technology Springer 412 p

- **Yu Shunin**, S Bellucci, V Gopeyenko, T Lobanova-Shunina Nanosensor devices for CBRN-agents detection: *theory and design* Proc NATO ADVANCED RESEARCH WORKSHOP, 14 - 17 AUGUST **2018**, KIEV, UKRAINE DETECTION OF CBRN-NANOSTRUCTURED MATERIALS (DCBRN-2017) Eds J. Bonca S. Kruchinin F. Peeters B. Vlahovic (J.Stefan Institute,Slovenia)
- Dietmar Fink, Arik Kiv, Lital Alfonta, Yuri Bondaruk, H.Garcia-Arellano, G. Muñoz Hernandez, Jiri Vacik, V. Hnatowicz, **Yuri Shunin**, A.T. Mansharipova, R.I. Mukhamedyev Improving the design of ion track-based biosensors Proc NATO ADVANCED RESEARCH WORKSHOP, 14 - 17 AUGUST **2018**, KIEV, UKRAINE DETECTION OF CBRN-NANOSTRUCTURED MATERIALS (DCBRN-2017) Eds J. Bonca S. Kruchinin F. Peeters B. Vlahovic (J.Stefan Institute,Slovenia)
- Stefano Bellucci, **Yuri Shunin**, Victor Gopeyenko, Tamara Lobanova-Shunina, Nataly Burlutskaya and Yuri Zhukovskii **2017** Real time polymer nanocomposites-based physical nanosensors: theory and modelling *Nanotechnology* **28** 355502 (9pp)
- **Yu. Shunin**, D. Fink, A.Kiv, A.Mansharipova, R.Muhamediyev, Yu.Zhukovskii, T. Lobanova-Shunina, N. Burlutskaya, V. Gopeyenko and S. Bellucci **2017 MODELLING OF REAL-TIME PHYSICAL AND BIO- NANOSENSORS FOR MEDICAL APPLICATIONS AND ECOLOGICAL MONITORING** PROCEEDINGS NANOMEETING 2017 PHYSICS, CHEMISTRY AND APPLICATION OF NANOSTRUCTURES, 2017 Eds V E Borisenko, S V Gaponenko, V S Gurin, C H Kam World SCIENTIFIC New Jersey 220-223
- **Yu Shunin**, D Fink, A Kiv, L Alfonta, A Mansharipova, R Muhamediyev, Yu Zhukovskii, T Lobanova-Shunina, N Burlutskaya, V Gopeyenko, S Bellucci **2016** Theory and modelling of real-time physical and bio- nanosensor systems *Computer Modelling & New Technologies* 20(4) 7-17
- **Shunin Yu N**, Gopeyenko V I, Burlutskaya N Yu, Lobanova-Shunina T D, Bellucci S **2015** Electromechanical properties of carbon-based nanocomposites for pressure and temperature nanosensors *EuroNanoForum 2015*, 1-12 June 2015  
[http://euronanoforum2015.eu/wp-content/uploads/2015/03/Abstract\\_Shunin.pdf](http://euronanoforum2015.eu/wp-content/uploads/2015/03/Abstract_Shunin.pdf)
- Shunin Y, Zhukovskii Y, Gopeyenko V, Burlutskaya N, Lobanova-Shunina T, Bellucci S **2015** CNTs- AND GNRs-BASED ELECTROMAGNETIC AND SPINTRONIC DEVICES: MODELS AND SIMULATIONS” *Proceedings of International Conference NANOMEETING-2015 in Minsk, Belarus* Physics, Chemistry and Application of Nanostructures Eds V E Borisenko, S V Gaponenko, V S Gurin and C H Kam New Jersey, London, Singapore: World Scientific 207-210
- **Shunin Yu**, Bellucci S, Zhukovskii Yu, Gopeyenko V, Burlutskaya N , Lobanova-Shunina T **2015** Nanocarbon electromagnetics in CNT-, GNR- and aerogel-based nanodevices: models and simulations *Computer Modelling & New Technologies* **19**(1A) 35-42
- Bellucci S, Micciulla F, **Shunin Yu**, Zhukovskii Yu, Gopeyenko V, Burlutskaya N, Lobanova-Shunina T and Capobianchi A **2015** Memory Nanodevices Based on Carbon Nanotube-Fe-Pt Interconnects: Electromagnetic Simulations and Magnetically Stimulated Nanotube Growth *Journal of Materials Science and Engineering B* **5** (3-4) 120-134 doi: 10.17265/2161-6221/2015.3-4.003
- **Shunin Yu** **2015** Spintronic Nanomemory and Nanosensor Devices Based on Carbon Nanotube-Fe-Pt Interconnects:Models and Simulations LAMBERT ACADEMIC PUBLISHING 2015 57p
- Lobanova-Shunina T and **Shunin Y** **2014** Innovation management in higher education: Nano sciences and technologies for scientific citizenship In: *P. Cunningham & N. Fretwell (eds.) Innovative Practice and Research Trends in Identity: Citizenship and Education* London: CiCe 56 – 66
- Lobanova-Shunina T, **Shunin Yu** **2014** Nanothinking and nanoeducation: nanoscientific literacy for responsible consumerism *Computer Modelling & New Technologies* **18**(1) 13-24
- **Shunin Yu N**, Bellucci S, Zhukovskii Yu F, Gopeyenko V I, Burlutskaya N, Lobanova-Shunina T, Capobianchi A., Micciulla F (2014) CNT-Fe-Pt interconnect electromagnetic simulations for magnetically stimulated CNT growth and novel memory nanodevices *Computer Modelling and New Technologies* **18**(2) 7-23
- Lobanova-Shunina T, **Shunin Y** **2013** Nanotechnologies: challenges and controversy on the way to scientific citizenship, new emerging identities and intellectual consumption In *P. Cunningham (ed.) Identities and Citizenship Education: Controversy, crisis and challenges*. London: CiCe, 182 – 193
- **Shunin Yu N**, Gopeyenko V I, Burlutskaya N, Lobanova-Shunina T and Bellucci S **2013** Electromagnetic properties of CNTs and GNRs based nanostructures for nanosensor systems *Proc. Internat. Conf. „Physics, Chemistry and Application of Nanostructures (Nanomeeting-2013,Minsk, Belarus)* Eds. V E Borisenko, S V Gaponenko, V S Gurin and C H Kam New Jersey, London, Singapore: WorldScientific 250-253
- **Shunin Yu N**, Zhukovskii Yu F , V I Gopeyenko, Burlutskaya N Yu, Bellucci S **2012** Simulation of Fundamental Properties of CNT- and GNR-Metal Interconnects for Development of New Nanosensor Systems In: *Nanodevices and Nanomaterials for Ecological Security Series: NATO Science for Peace Series B - Physics and Biophysics*, Eds Yu Shunin, A Kiv, Springer Verlag, 2012 237-262
- **Shunin Yu** and Kiv A., Eds., **2012** *Nanodevices and Nanomaterials for Ecological Security*. Series: NATO Science for Peace Series B - Physics and Biophysics, Springer Verlag, 363p.
- **Shunin Yu N**, Zhukovskii Yu F, Gopeyenko V I, Burlutskaya N, Lobanova-Shunina T and Bellucci S **2012** Simulation of Electromagnetic Properties in CNT and Graphene Based Nanostructures, *Journal of Nanophotonics* **6**(1), 061706-1-16
- **Shunin Yu N**, Zhukovskii Yu F, Burlutskaya N, Bellucci S **2011** Theoretical Simulations on Electric Properties of CNT-Me and GNR-Me Interconnects Using Effective Media Approach *Procedia Computer Science* **7** 343-345
- Lobanova-Shunina T, **Shunin Yu N** **2011** Nanothinking as an Essential Component of Scientific Competence and Social Responsibility in the 21st Century Society *Computer Modelling and New Technologies* **15**(1) 58-68
- **Shunin Yu N**, Zhukovskii Yu F, Gopeyenko V I, Burlutskaya N, Bellucci S **2011** Ab Initio Simulations on Electric Properties for Junctions Between Carbon Nanotubes and Metal Electrodes *Nanoscience and Nanotechnology Letters* **3** 816-825
- Lobanova-Shunina T, **Shunin Yu N** **2011** Nanothinking as an Educational Concept of the 21<sup>st</sup> Century. *Innovative Infotechnologies for Science, Business and Education* **1** (10) 3-9
- Lobanova-Shunina T, **Shunin Yu** **2011** The Systemic Approach to Language Acquisition as a Way to European Linguistic Unity and Lifelong Learning. *Europe’s Future: citizenship in a changing world* Eds P Cunningham & N Fretwell: *Proceedings of the thirteenth CiCe Conference*, Dublin Ireland, 510-519 ISBN 978-1-907675-02-7

Conferences  
2010-2017

- Lobanova-Shunina T, **Shunin Yu 2011** Nanothinking as a Concept of Citizenship Education for the 21st Century Europe. *Europe's Future: citizenship in a changing world*, eds. P.Cunningham & N.Fretwell: ISBN 978-1-907675-02-7. Proceedings of the thirteenth CiCe Conference, Dublin, Ireland, 345-355
- **Yu. N. Shunin**, Yu. F. Zhukovskii, N. Burlutskaya, V. I. Gopeyenko, S. Bellucci **2010** Theoretical resistance simulations for junctions of SW and MW carbon nanotubes with metal substrates in nanoelectronic devices, *Computer Modelling and New Technologies* **14(2)** 7-19
- Lobanova-Shunina T., **Shunin Yu 2010** Language as a Social Behaviour: Integration of Language, Communicative Competence and Identity Development *Information Technologies, Management and Society* **3(1)** 85-92
- Lobanova-Shunina T, **Shunin Yu N 2010** The Systemic Approach to Emotional Potential Development and Language Acquisition in the Context of European Linguistic Unity *Proceedings of the 4th International Conference 'Nation and Language: Modern Aspects of Socio-Linguistic Development'*. 21-22 October 2010, Kaunas University of Technology, Lithuania, 2010, 30-37, ISSN 2029-0497. International scientific databases ERIC,CEEOL and EBSCO
- **Yu Shunin**, V Gopeyenko, St Bellucci, T Lobanova-Shunina, N Burlutskaya Heat conductivity process modelling in onedimensional atomic chains ITM2017 The 15th INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATION TECHNOLOGIES AND MANAGEMENT 2017 April 27-28, **2017**, ISMA University, Riga, Latvia 9
- A Kiv, A Fink, **Yu Shunin**, R Muhamedyev, V Gopeyenko, T Lobanova-Shunina, N Burlutskaya, E Severova, M Ibraeva, D Mansharipov, A Mansharipova, M Gabdullin, N Guseinov Modeling processes for the protection of bacteria ITM2017 The 15th INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATION TECHNOLOGIES AND MANAGEMENT 2017 April 27-28, **2017**, ISMA University, Riga, Latvia 10-12
- **Yu Shunin**, D Fink, A Kiv, L Alfonta, A Mansharipova, R Muhamediyev, Yu Zhukovskii, T Lobanova-Shunina, N Burlutskaya, V Gopeyenko, S Bellucci **2016** Theory and modelling of physical and bio- nanosensor systems 1-6 August 2016 1-6 August 2016, Holiday Club Saimaa, Lappeeranta, Finland 101
- **Yuri Shunin**, Dietmar Fink, Arnold Kiv, Lital Alfonta, Alma Mansharipova, Ravil Muhamediyev, Yuri Zhukovskii, Tamara Lobanova-Shunina, Nataly Burlutskaya, Victor Gopeyenko and Stefano Bellucci PHYSICAL AND BIO- NANOSENSORS FOR MEDICAL APPLICATIONS AND ECOLOGICAL MONITORING, NN **2016**, *Nanoscience and Nanotechnology*, INFN LNF FRASCATI-ROME ITALY
- **Yu Shunin**, L Alfonta, D Fink, A Kiv, A Mansharipova, R Muhamediyev, Yu Zhukovskii, T Lobanova-Shunina, N Burlutskaya, V Gopeyenko, S Bellucci **2016** Modelling and simulation of electric response of nanocarbon nanocomposites and nanoporous polymer based structures for nanosensor devices The 14th INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATION TECHNOLOGIES AND MANAGEMENT 2016 April 14-15, 2016, ISMA University, Riga, Latvia IT&M2016 Conference Theses 11-14
- T Lobanova-Shunina, **Yu Shunin 2016** Convergence of Nano-Bio-Info-Cogno-Socio-Humano Sciences and Technologies for societal benefit and justice The 14 th INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATION TECHNOLOGIES AND MANAGEMENT 2016 April 14-15, 2016, ISMA University, Riga, Latvia IT&M2016 Conference Theses 15-16
- V Gopeyenko, **Yu Shunin**, D Fink, A Kiv **2016** 3D modelling of the glucose detection nanoprocess The 14th INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATION TECHNOLOGIES AND MANAGEMENT 2016 April 14-15, 2016, ISMA University, Riga, Latvia IT&M2016 Conference Theses 32-33
- M Nurgazy, **Yu Shunin 2016** IBM Watson: natural language question answering system The 14th INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATION TECHNOLOGIES AND MANAGEMENT 2016 April 14-15, 2016, ISMA University, Riga, Latvia IT&M2016 Conference Theses 66-67
- A Berdibek, **Yu Shunin 2016** Reducing the number of road traffic crashes by using of smart cars The 14th INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATION TECHNOLOGIES AND MANAGEMENT 2016 April 14-15, 2016, ISMA University, Riga, Latvia IT&M2016 Conference Theses 68-69
- N Urmanov, **Yu Shunin 2016** Advantages and features of "smart house" technologies The 14th INTERNATIONAL SCIENTIFIC CONFERENCE INFORMATION TECHNOLOGIES AND MANAGEMENT 2016 April 14-15, 2016, ISMA University, Riga, Latvia IT&M2016 Conference Theses 70-71
- **Y Shunin**, Y Zhukovskii, V Gopeyenko, N Burlutskaya, T D Lobanova-Shunina, S Bellucci **2015** CNTs- AND GNRs-BASED ELECTROMAGNETIC AND SPINTRONIC DEVICES: MODELS AND SIMULATIONS" *International Conference NANOMEETING-2015 in Minsk, Belarus (May 26-29, 2015)* 207-210
- **Yu N Shunin**, V I Gopeyenko, N Yu Burlutskaya, T D Lobanova-Shunina, S Bellucci **2015** Electromechanical properties of carbon-based nanocomposites for pressure and temperature nanosensors *EuroNanoForum 2015 1-12 June 2015* [http://euronanoforum2015.eu/wp-content/uploads/2015/03/Abstract\\_Shunin.pdf](http://euronanoforum2015.eu/wp-content/uploads/2015/03/Abstract_Shunin.pdf)
- **Yu Shunin**, D Fink, S Bellucci, A Kiv, T Lobanova-Shunina, Yu Zhukovskii, V Gopeyenko Nanotechnology and health nanodiagnosics tools **2015** *The 13th International Conference Information Technologies and Management 2015 Theses and Programme*
- **Yu Shunin**, S Bellucci, T Lobanova-Shunina, Yu Zhukovskii, N Burlutskaya, V Gopeyenko **2015** Models and simulations of CNTs- and GNRs-based electromagnetic and spintronic devices *The 13th International Conference Information Technologies and Management 2015 Theses and Programme*
- Lobanova-Shunina T, **Shunin Y 2015** Technology impact on developing virtual identity Identity in Times of Crisis, *Globalization and Diversity Practice and Research Trends Cicea/Jean Monet Cicea network Conference, Corinth Greece*, Book of Abstract 3rd – 5th of September 2015 43
- **Yu Shunin**, Yu Zhukovskii, V Gopeyenko, N Burluckaya, T Lobanova-Shunina and S Bellucci **2014** Electromechanics and Electromagnetics of CNT- and Graphene-Based Nanoporous Materials: Interconnects and Nanosensing *Joint International Symposium RCBJSF – 2014 - FM&NT September 29 – October 2, 2014* Riga, Latvia
- **Yu N Shunin**, Yu F Zhukovskii, V I Gopeyenko, T Lobanova-Shunina, N Burlutskaya, S Bellucci **2014** Simulation of Fundamental Properties in CNT- and Graphene-Based Nanoporous Materials: Electromechanics and Electromagnetics *The 12th International Conference Information Technologies and Management 2014 Theses and Programme*
- **Yu N Shunin**, Yu F Zhukovskii, V Gopeyenko, N Burlutskaya, T Lobanova-Shunina, S Bellucci **2014** Simulation of electromagnetic properties in CNTs- and graphene-based nanomaterials and nanodevices *Fouth International Workshop Nanocarbon Photonics and Optoelectronics 28 July-1 August 2014*, Holiday Centre'Huhmari' Polvijarvi,Finland, Joensuu 2014,78

- A Koltsov, **Yu Shunin**, T Lobanova-Shunina, V Gopejenko **2014** *Graphene applications and commercial strategies The 12th International Conference Information Technologies and Management 2014 Theses and Programme*
- T Lobanova-Shunina, **Yu Shunin** **2014** Nano-synergetic technologies and consumer society *The 12th International Conference Information Technologies and Management 2014 Theses and Programme*
- Lobanova-Shunina T, **Shunin Y** **2014** Innovation management in higher education: Nano sciences and technologies for scientific citizenship *Innovative Practice and Research Trends in Identity, Citizenship and Education. The conference will take place 12-14 June 2014, at the University of Warmia and Mazury in Olsztyn, Poland Book of Abstract*
- **Yu Shunin**, S Bellucci, Yu Zhukovskii, V Gopeyenko, T Lobanova-Shunina and N Burluckaya **2014** NANOCARBON BASED Fe-Pt SPINTRONIC DEVICES: MODELS AND SIMULATION, *NN2014*, Frascati-Rome, October 6-7 2014
- **Yu Shunin**, Yu Zhukovskii, V Gopejenko, N Burlutskaya, T Lobanova-Shunina and S Bellucci **2013** Electromagnetic properties of interconnects in nanodevices based on CNT, GNR and graphene aerogels *FMNT2013 INTERNATIONAL CONFERENCE TARTU, ESTONIA* Book of abstract OR28
- T Lobanova-Shunina, **Yu Shunin** **2013** Consumer insights into nanotechnologies: responsible consumption management *The 5th International Conference CHANGES IN SOCIAL AND BUSINESS ENVIRONMENT CISABE'13*, 7-8 November, 2013 KTU Panevėžys Institute 7-8 November, 2013
- T Lobanova-Shunina, **Yu Shunin** **2013** INSIGHTS INTO NANOTECHNOLOGIES: SHAPING CONSUMER BEHAVIOUR *6th International Conference INNOVATIVE INFORMATION TECHNOLOGIES FOR SCIENCE, BUSINESS AND EDUCATION, IIT-2013*, November 14-16, 2013 Artis Centrum Hotel, Liejyklos 11/23, Vilnius, Lithuania
- **Yu N Shunin**, Yu F Zhukovskii, V Gopeyenko, T Lobanova-Shunina, N Burlutskaya, S Bellucci **2013** Carbon based nanosensor systems for intelligent systems: modelling and technology *6th International Conference INNOVATIVE INFORMATION TECHNOLOGIES FOR SCIENCE, BUSINESS AND EDUCATION, IIT-2013*, November 14-16, 2013 Artis Centrum Hotel, Liejyklos 11/23, Vilnius, Lithuania
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30.01.2018.

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