

**1. General information:**

- 1.1. Family name: **GORAN**
- 1.2. First names: **MARKOVIC**
- 1.3. Date of birth: 10/04/1971
- 1.4. Nationality: Serbian
- 1.5. Position: Full Professor



Business adress University of Belgrade - Faculty of Transport and Traffic Engineering,  
Vojvode Stepe 305, 11000 Belgrade, Republic of Serbia  
Phone: +381 11 3091.225; Mobile Phone: +381 64 14.55.840  
e-mail: g.markovic@sf.ac.bg.rs

**2. Education:**

<i>Institution (date)</i>	<i>Degree(s) or Diploma(s) obtained:</i>
University of Belgrade - Faculty of Transport and Traffic Engineering, Belgrade, Serbia (2007)	Doctor of Science (PhD) with specialization on Telecommunication traffic and networks
University of Belgrade - Faculty of Transport and Traffic Engineering, Belgrade, Serbia (2002)	Magisterial Degree of Technical Sciences (M.Sc.), with specialization on Telecommunication traffic and networks
University of Belgrade - Faculty of Transport and Traffic Engineering, Belgrade, Serbia (1996)	Bachelor of Science in Traffic and Transport Engineering (B.Sc. Eng.) with specialization on Telecommunication traffic and networks

**2.1. Additional Education:**

<i>Institution (date)</i>	<i>Certificate:</i>
Serbian Chamber of Engineers Belgrade, Serbia (2017)	License of responsible designer for Telecommunication Traffic and Networks N <sup>o</sup> - 369

**3. Language skills: (Indicate competence on a scale of 1 to 5 for competence (5 being the highest level)):**

<b>Language</b>	<b>Reading</b>	<b>Speaking</b>	<b>Writing</b>
Serbian	Mother tongue		
English	5	4	4

**4. Membership of professional bodies:**

Member of Editorial board and Program committee of *Symposium on Novel Technologies in Postal and Telecommunication Traffic- PosTel*, University of Belgrade - Faculty of Transport and Traffic Engineering,  
Member of Programm Committee on conference *Transport for Today's Society*, University of Sv. Kliment Ohridski, Faculty of Technical Science, Bitola, Macedonia,  
Member of Programm Committee on conference *New Horizons on Transport and Communications*, University of East Sarajevo, Faculty of Transport and traffic Engineering, Doboje, Bosnia and Hercegovina,  
Member of Editorial board of international journal *SERBIAN SCIENCE TODAY*, Publisher: Andrejević Endowment, Belgrade, Serbia  
Member of the Union of Engineers and Technicians of Serbia,  
Member of the Examiners Committee for the professional exams in traffic engineering at the Union of Engineers and Technicians of Serbia - special part for postal and telecommunication traffic.

**5. Other skills:**

Simulation, design and optimization of telecommunication networks, computer skills including programming (MATLAB) and utilization of various advanced software packages.

## 6. Present position:

Full Professor, Department for Telecommunication Traffic and Networks, University of Belgrade – Faculty of Transport and Traffic Engineering,  
Head of Department for Telecommunication Traffic and Networks, University of Belgrade – Faculty of Transport and Traffic Engineering,  
Head of Module for Telecommunication Traffic and Networks, University of Belgrade – Faculty of Transport and Traffic Engineering,

## 7. Working Experience and years within the firm:

Teaching and research at the University of Belgrade - Faculty of Transport and Traffic Engineering:

- (1996 - 1997) Associate Researcher at the Department of Postal and Telecommunication Traffic, University of Belgrade - Faculty of Transport and Traffic Engineering,
- (1997 - 2002) Junior Assistant at the Department of Postal and Telecommunication Traffic, University of Belgrade - Faculty of Transport and Traffic Engineering,
- (2002 - 2008) Research and Teaching Assistant at the Department of Postal and Telecommunication Traffic, University of Belgrade - Faculty of Transport and Traffic Engineering,
- (2008 - 2013) Assistant professor at the Department of Telecommunication Traffic and Networks, University of Belgrade - Faculty of Transport and Traffic Engineering,
- (2013 - 2017) Associate professor at the Department of Telecommunication Traffic and Networks, University of Belgrade - Faculty of Transport and Traffic Engineering,
- (2017 - ) Full professor at the Department of Telecommunication Traffic and Networks, University of Belgrade - Faculty of Transport and Traffic Engineering,

## 8. Awards:

Annual awards from the Dean of Faculty of Transport and Traffic Engineering (University of Belgrade) for the best student of Department for Postal and Telecommunication Traffic (for the 3<sup>rd</sup> and 4<sup>th</sup> study years).

## 9. Key qualifications:

Beside in fundamental telecommunication science, Ph. D Goran Marković is expert for solving various practical telecommunication problems, such as telecommunication networks planning, design and operation, tele-traffic engineering, traffic routing in telecommunication and computer networks, telecommunication traffic forecasting, implementation of Information and Communication Technologies (ICT) into Intelligent Transportation Systems (ITS), wireless, mobile and optical communications, etc.

## 10. Professional Experience Record:

**(2000—2010) Dynamic Routing of Telecommunication Traffic and It's Possible Implementation in TELEKOM Serbia Network**  
**Client:** Telekom Srbija, Belgrade (2000)  
**Position:** Member of project team

**Components, Characteristics and Development of Optical Communication Systems in TELEKOM Serbia Network**  
**Client:** Telekom Srbija, Belgrade (2000)  
**Position:** Member of project team

**Development, Design and Implementation of WDM/DWDM in TELEKOM Serbia Network**  
**Client:** Telekom Srbija, Belgrade (2000)  
**Position:** Member of project team

**The Upgrading of Existing and Building of an Alternative Optical Network as a Base of National Information Infrastructure**  
**Client:** Serbian Ministry of Science, Technologies and Development (2002-2004)  
**Position:** Member of project team

**Development of Multipurpose Cable Distribution Systems**  
**Client:** Serbian Ministry of Science, Technologies and Development (2002-2004)  
**Position:** Member of project team

**Postal Transport Route optimization at The Public Enterprise of PTT Communications "Serbia"**  
**Client:** The Public Enterprise of PTT Communications "Serbia" (2003)  
**Position:** Member of project team

**Analysis of the quality of the counter service operations at The National Savings Bank Ltd – Belgrade Branch Region**  
**Client:** The National Savings Bank Ltd (2003)  
**Position:** Member of project team

**Planning, forecasting and charging in telecommunication networks****Client:** Serbian Ministry of Science, Technologies and Development (2005-2007)**Position:** Member of project team**Road traffic management using Intelligent Transportation Systems (ITS)****Client:** Serbian Ministry of Science and environment protection (2005-2007)**Position:** Member of project team**Application of Intelligent Transportation Systems (ITS) in reducing the traffic pollution in cities****Client:** Serbian Ministry of Science (2008-2009)**Position:** Member of project team**Next generation optical networks - investigation the possibilities for improving the Serbian optical transport network****Client:** Serbian Ministry of Science (2008-2009)**Position:** Member of project team**Signal processing methods for interactive multimedia systems, Serbien – Slovenia technology co-operation****Client:** Serbian Ministry of Science - Slovenian Ministry of Higher Education, Science and Technology (2008-2009)**Position:** Member of project team**(2010–2020)****Development of Novel Methods and Tools for Enhancement of Performances, Network and Economic Efficiency of Next Generation Networks****Client:** Serbian Ministry of Education, Science and Technological Development (2011-2019)**Position:** Member of project team**Impact of global challenges on traffic planning and traffic management in cities****Client:** Serbian Ministry of Education, Science and Technological Development (2011-2019)**Position:** Member of project team**Feasibility study of organizing integrated services of public passenger transport between the municipality of Stara Pazova and the City of Belgrade,****Client:** Municipality of Stara Pazova, Stara Pazova, (2016)**Position:** Member of project team**Line network and definition of required capacities for suburban and local public transport in Belgrade - SuTraN:**

Current public transport line network analysis

**Client:** City of Belgrade, Belgrade (2016)**Position:** Team Leader**Study of urban and suburban public passenger transport in Kragujevac – KRST****Client:** City of Kragujevac, (2017)**Position:** Member of project team**Feasibility study of organizing integrated services of public passenger transport between the City of Pancevo and the City of Belgrade****Client:** Municipality of Stara Pazova (2017)**Position:** Member of project team**Professional expertise requested by the Commercial Court in Belgrade in the dispute between "Telekom Srbija" and "Network co"****Client:** Republic of Serbia - Commercial Court in Belgrade (2015)**Position:** Head of the expert commission**11. Monographs**

- 1 **Goran Marković**, (2003), Dynamic traffic routing in telecommunication networks, Endowment of Andrejevic, Belgrade, Serbia ISBN 89-7244-346-2.

**12. University textbooks**

- 1 **Goran Marković**, (2012), Telecommunication Systems Fundamentals, University of Belgrade – Faculty of Transport and Traffic Engineering ISBN 978-86-7395-301-4.
- 2 Marija Malnar, **Goran Marković**, (2017), Fundamentals of Wireless Communications - Practicum, University of Belgrade – Faculty of Transport and Traffic Engineering ISBN 978-86-7395-376-2.
- 3 Marija Malnar, **Goran Marković**, (2017), Fundamentals of Wireless Communications - Workbook, University of Belgrade – Faculty of Transport and Traffic Engineering ISBN 978-86-7395-377-9. (CD)

**13. Publications***Chapters in monograph*

- 1 **G. Z. Marković** (2013), Artificial Bee Colony Approach for Routing and Wavelength Assignment in Optical WDM Networks, In Y. S. Kaviani and Z. Ghassemlooy (Eds), Intelligent Systems for Optical Networks Design: Advancing Techniques, ch.8, pp.174-193, IGI Global, 2013, DOI: 10.4018/978-1-4666-3652-1.ch008.

*International journals (with IF)*

- 2 S. Miladić-Tešić, **G. Z. Marković**, V. Radojičić (2019), Traffic grooming technique for elastic optical networks: A survey, *Optik - International Journal for Light and Electron Optics*, Vol. 176, January 2019, pp. 464-475, ISSN: 0030-4026, IF(2018) = 1.914 (M22) <https://doi.org/10.1016/j.ijleo.2018.09.068>
- 3 M. Periša, **G. Z. Marković**, P. Kolarovszki, R. Madleňák (2019), "Proposal of a Conceptual Architecture System for Informing the User in the IoT Environment", *Promet - Traffic & Transportation*, vol. 31, no. 1, Feb. 2019, pp. 37-47, ISSN: 0353-5320 (print), 1848-4069 (on-line) IF(2018) = 0.768. (M23) <https://doi.org/10.7307/ptt.v31i1.2677>
- 4 B. Mikavica, **G. Z. Marković**, A.Kostić-Ljubisavljević (2018), Lightpath routing and spectrum allocation over elastic optical networks in content provisioning with cloud migration, *Photonic Network Communications*, Vol. 36, No. 2, October 2018, pp 187–200, ISSN: 1387-974X (Print) 1572-8188 (Online), IF(2018) = 1.328 (M23), online available: <https://doi.org/10.1007/s11107-018-0788-2>
- 5 S. Mitrović, V. Radojičić, M. Stojanović, **G. Z. Marković** (2018), The capacity expansion approach in optical transport networks with fixed and flexible grids, *Technological Forecasting and Social Change*, Vol. 127, February 2018, pp. 310-316, ISSN: 0040-1625; IF(2018) = 3.815 (M21a); <https://doi.org/10.1016/j.techfore.2017.10.009>
- 6 **G. Z. Marković** (2017), Routing and spectrum allocation in elastic optical networks using bee colony optimization, *Photonic networks communications*, vol. 34, no. 3, pp 356–374, December 2017, ISSN: 1387-974X (Print) 1572-8188(Online), (IF2017=1.203) doi: <https://doi.org/10.1007/s11107-017-0706-z>
- 7 **G. Z. Marković** (2017), Revenue-driven Lightpaths Provisioning over Optical WDM Networks Using Bee Colony Optimization, *International Journal of Computational Intelligence Systems*, Vol.10, No.1, pp. 481-494, 2017, ISSN: 1875-6891, DOI:10.2991/ijcis.2017.10.1.33 (IF2017=2.000)
- 8 M. D. Stojanovic, S. D. Miladic, **G. Z. Marković** (2016), "A Hybrid Method for Signalling Transport in GMPLS Control Plane", *Elektronika I Ir Elektrotehnika*, Vol. 22, No. 3, June 2016, pp. 24–28. ISSN (print) 1392-1215, ISSN (online) 2029-5731, IF(2016)=0.585, Engineering, Electrical & Electronic (226/255). <http://dx.doi.org/10.5755/j01.eie.22.3.15310>
- 9 **G. Z. Marković** (2016), Wavelength Converters Placement in Optical Networks Using Bee Colony Optimization, *Advances in Electrical and Computer Engineering*, Vol. 16, No. 1, pp.3-10, 2016, ISSN: 1582-7445, e-ISSN: 1844-7600, DOI: 10.4316/AECE.2016.01001, (IF2016=0.595)
- 10 V. Radojičić, V. Radonjic, **G. Z. Markovic** (2012), »A New Competitive Model Based on Trade-Of Between Credibility and Price« *Economic Computation And Economic Cybernetics Studies And Research*, (2012), vol. 46, No. 2, pp.231-242, ISSN: 0424-267X (print), 1842 – 3264 (on-line) (IF2011=0.303)
- 11 V. Radojičić, **G. Z. Marković**, M. Janković, B. Drašković (2012), »Broadband Traffic Forecasting in the Transport Network« *PROMET - Traffic&Transportation*, Vol. 24, No. 4, pp. 275-284, 2012. DOI: <http://dx.doi.org/10.7307/ptt.v24i4.440> ISSN: 1848-4069 (print) (IF2011=0.177)
- 12 **G. Z. Marković**, V. Radojičić (2012), "Bee colony approach for advance resource reservation in optical based grids" *Transactions on Emerging Telecommunications Technologies (European Transactions on Telecommunications)*, Vol. 23, No. 7, Feb. 2012, pp. 695-700; ISSN: 2161-3915 (on-line) (IF2011=0.454)
- 13 **G. Z. Marković**, V. Aćimović-Raspopović, V. Radojičić (2012), »A heuristic algorithm for lightpath scheduling in next-generation WDM optical networks« *Photonic Network Communications*, vol. 23, No. 3, pp. 272-284, 2012. doi: 10.1007/s11107-011-0358-3, ISSN: 1387-974X (print), 1572-8188 (on-line), (IF2011=0.485)
- 14 M. Dobrodolac, **G. Z. Marković**, M. Čubranić-Dobrodolac, S. Čičević (2012), "A Model for Allocation of Limited Resources for Technological Improvement: A Case of Courier Service" *Engineering Economics*, Vol. 23, No. 4, pp. 348-356, 2012. Print ISSN: 1392-2785 (print), 2029-5839 (on-line) doi:<http://dx.doi.org/10.5755/j01.ee.23.4.1502> (IF2011=1.468)
- 15 S. Tica, V. Radojičić, **G. Z. Marković**, D. Marković (2011), »Modelling for Evaluations of Call Center for Public Traffic and Transport Systems«, *Technological and Economic Development of Economy*, vol. 17, No. 1, pp.116-132, 2011, DOI:10.3846/13928619.2011.554023, ISSN: (1392-8619) (Print), 2029-4921 (Online), (IF2011=3.235)
- 16 **G. Z. Marković**, D. Teodorović, V. Aćimović-Raspopović (2007), "Routing and Wavelength Assignment in All-Optical Networks Based on the Bee Colony Optimization" *AI Communications – Special Issue: Network Analysis in Natural Sciences and Engineering*, Vol.20, No.4, pp. 273-285, Nov 2007 (ISSN:0921-7126)

*International journals*

- 17 **Goran Z. Marković** (2017), Application of Advanced Communication Technologies in the Improvement of Traffic Safety, *Journal of Traffic and Transport Theory and Practice (TTTP)*, Vol.2, no. 1-2, 2017, pp. 21-27, ISSN: 2490-3477 (Print), 2490-3485 (Online), <http://dx.doi.org/10.7251/JTTTP1701021M>
- 18 V. Radojicic, B. Bakmaz, **G. Z. Markovic** (2011), »Diffusion of Internet Protocol Television (IPTV) service demands: An empirical study in the Serbian market« *African Journal of Business Management* Vol. 5(17), pp. 7224-7231, Sept., 2011 (ISSN 1993-8233)
- 19 **G. Z. Marković**, V. Aćimović-Raspopović (2010), »Solving the RWA Problem in WDM Optical Networks Using the BCO Meta-Heuristic«, *Telfor Journal*, Vol.2, No1.pp. 43-48, 2010 ([http://journal.telfor.rs/Published/No3/No03\\_P09\\_fin.pdf](http://journal.telfor.rs/Published/No3/No03_P09_fin.pdf)) (ISSN 1821-3251)
- 20 V. Radojičić, **G. Z. Marković**, V. Radonjic (2010), »A new method for estimating the real number of callers for call centre staffing optimisation«, *International Journal of Engineering Management and Economics (IJEME)*, Vol. 1, Issue 4, pp.321-341, 2010, ISSN (online): 1756-5162, ISSN (print): 1756-5154, DOI 10.1504/IJEME.2010.038648

*International conferences*

- 21 **Goran Z. Marković**, Slobodan Mitrović, Valentina Radojičić (2019), "Internet of vehicles: challenges and development trends" *Proceedings on the 7th International Conference New Horizons of Transport and Communications 2019*, pp. 500-507 Doboj, Republika Srpska 17-18. Nov. 2019. (origin in Serbian); ISBN: 978-99955-36-79-4
- 22 Zlata Radak, Marijana Petrović, **Goran Z. Marković** (2019), "Exploring possibilities to exploit QFD method in telecommunication service design: the case of business customer", *Proceedings of the 27th Telecommunications Forum (TELFOR) 2019*, pp. 1-4, Belgrade, Serbia, November, 26-27, 2019, ISBN (electronic): 978-1-7281-4790-1, ISBN (CD): 978-1-7281-4789-5, DOI: 10.1109/TELFOR48224.2019.8971291
- 23 Zlata Radak, **Goran Z. Marković** (2019), Providing Tailor Made Managed Solution by Network Operator to the Business Customers, *Proceedings of the 54th International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST*

- 2019, Vol.1, pp.90-93, Ohrid, North Macedonia, 27-29 June 2019, ISSN: 2603-3267 (online), ISSN: 2603-3259 (print)
- 24 Suzana Miladić-Tešić, **Goran Z. Marković**, Valentina Radojičić (2019), Traffic Grooming on Designing Elastic Optical Networks, Proceedings of the 54th International Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2019, Vol.1, pp.35-38, Ohrid, North Macedonia, 27-29 June 2019, ISSN: 2603-3267 (online), ISSN: 2603-3259 (print)
  - 25 Valentina Radojičić, **Goran Z. Marković**, Slobodan Mitrović, Suzana Miladić-Tešić (2017), Overview and forecasting of the broadband market in Serbia, Proceedings on the 6th International Conference New Horizons of Transport and Communications 2017, pp. 704-713, Doboj, Republika Srpska 17-18. Nov. 2017 (origin in Serbian); ISBN 978-99955-36-66-4
  - 26 Z. Radak, **G. Z. Marković** (2017), "Reengineering of the current process of collecting data about business customers", Proc. of the 7th International Conference on Information Society and Technology - ICIST 2017, Vol.2, pp.405-408, Kopaonik, Serbia, Mar 12-15, 2017, ISSN 0000-2017
  - 27 S. Miladić-Tešić, **G. Z. Marković**, V. Radojičić (2017), "A Survey of Traffic Grooming Algorithms in Elastic Optical Networks", Proc. of the International Conference on Traffic Development, Logistics & Sustainable Transport, ZIRP-2017, Faculty of Transport and Traffic Sciences University of Zagreb, 1st-2nd June, Opatija, Croatia, pp. 211-222, ISBN 978-953-243-090-5
  - 28 S. Miladić, **G. Z. Marković**, V. Radojičić (2016), "Bandwidth Provisioning in Elastic Optical Networks", Proceedings of the Third International Conference on Traffic and Transport Engineering ICTTE, 24-25.Nov.2016, Belgrade Serbia, pp. 1031-1035, ISBN 978-86-916153-3-8
  - 29 S. Miladić, **G. Z. Marković**, M. Stojanović, V. Radojičić (2016), "Cognitive Radio Application in Vehicular Ad-Hoc Networks (VANETs)", Proceedings on the 1st International Conference "Transport for Today's Society", 19-21 May 2016, Bitola, Macedonia, pp. 469-476, ISBN 978-9989-786-79-2 ISBN 978-9989-786-79-2;
  - 30 V. Radonjic Djogatović, V. Radojičić, **G. Z. Marković**, A. Kostić-Ljubisavljević (2016), „Deployment Strategies of FTTH Technology in the Serbian Broadband Market Based on Price and Marketing Impacts“, Proc. of the International Scientific Conference ZIRP-2016, April 2016, Zagreb, Croatia, pp.157-169, ISBN 978-953-243-081-3 (CD)
  - 31 S. Miladić, **G. Z. Marković** (2015), "Agregacija saobraćaja u optičkim WDM mrežama", Proceedings on the 5th International Conference "New Horizons of Transport and Communications 2015", pp.299-307, Doboj, Republic of Srpska 20-21 Nov. 2015 (origin in Serbian) ISBN 978-99955-36-57-2
  - 32 S. Miladić, **G. Z. Marković**, V. Radojičić (2015), „Broadband traffic forecasting- case study in Bosnia and Herzegovina, 24th International Electrotechnical and Computer Science Conference ERK 2015, Proceedings, Portorož, Slovenia, pp. 122-126, 2015.
  - 33 S. Miladić, **G. Z. Marković**, V. Radojičić (2015), "Application of an Econometric Method for Forecasting Cellular Mobile Traffic", Proc. of the L Int. Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2015, pp.191-195, Sofija, Bulgaria, June, 24-26, 2015 ISBN: 978-619-167-182-3
  - 34 S. Miladić, **G. Z. Marković**, V. Radojičić (2015), »Comparison of two forecasting methods of mobile telephony traffic«, Proceedings on 2nd International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2015, Srebrno jezero, Serbia, 8. – 11. June 2015
  - 35 V. Radojičić, **G. Z. Marković**, B.Bakmaz, V. Radonjić Đogatović, „New Diffusion Model Based on the Technological Availability of Telecommunication Network“ Proceedings on International Scientific Conference ZIRP2015: Cooperation Model of the Scientific and Educational Institutions and the Economy, pp.175-182, 12th May 2015, Zagreb, Croatia, ISBN: 978-953-243-073-8
  - 36 **G. Z. Marković**, V. Radojičić (2015), „Multi-Period Design of Optical WDM Network Virtual Topology Based On Service Provider's Profit Maximization“, Proceedings on International Scientific Conference ZIRP2015: Cooperation Model of the Scientific and Educational Institutions and the Economy, pp.115-124, 12th May 2015, Zagreb, Croatia, ISBN: 978-953-243-073-8
  - 37 V. Radojičić, **G. Z. Marković**, V. Radonjić Đogatović (2014), »Market Share Forecasting of Mobile Telephony in Serbia«, Proceedings of the Second International Conference on Traffic and Transport Engineering, ICCTE 2014, Belgrade, Serbia, 27-28 Nov. 2014, pp. 590-599, ISBN: 978-86-916153-1-4
  - 38 S. Miladić, **G. Z. Marković** (2014), »Analysis of Some Routing and Wavelength Selection Techniques in Optical Networks with Dynamic Traffic Demands«, Proceedings on 1st International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2014, Vrnjačka banja, Serbia, June 2-5, 2014 (ISBN 978-86-80509-69-3)
  - 39 S. Miladić, **G. Z. Marković** (2014), »Analysis of Some Wavelength Assignment Techniques in WDM Optical Networks«, Proc. of the XLIX Int. Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2014, Vol.1, pp. 11-14, Niš, June 2014 (ISBN: 978-86-6125-108-5)
  - 40 S. Miladić, **G. Z. Marković** (2013), „Realization of Road Vehicle Communication Systems using Radio-Over Fiber Technology“, Proceedings on the 4th International Conference "New Horizons of Transport and Communications 2013", pp.403-408, Doboj, Republic of Srpska, 22-23 Nov. 2013
  - 41 M. Milovanović, V. Radojičić, M. Stojanović, **G. Z. Marković** (2013), »The Influence of Service Attraction at The Competitive Telecommunication Market«, Proceedings on the 4th International Conference "New Horizons of Transport and Communications 2013", pp.454-459, Doboj, Republic of Srpska 22-23 Nov. 2013
  - 42 S. Mitrović, V. Radojičić, **G. Z. Marković** (2013), "Network capacity expansion strategies based on link congestion costs" Proc. of the 11th Int. Conference on Telecommunications in Modern Satellite Cable and Broadcasting Services - TELSIKS 2013, Vol.1, pp.129-132, Nis, 16-19 Oct. 2013. E-ISBN 978-1-4799-0902-5, ISBN (print) 978-1-4799-0899-8.
  - 43 V. Radonjić, A. Kostić-Ljubisavljević, M. Stojanović, **G. Z. Marković** (2012), » Economic issues in next generation telecom networks« Proc. of the XXVI microCAD International Scientific Conference, University of Miskolc, 29-30 March, 2012 (ISBN: 978-963-661-773-8)
  - 44 D. Danilović, **G. Z. Marković**, V. Radojičić (2011), «Performance analysis of UMTS data services using dual cell and MIMO HSDPA» Proc. of the 3rd International Scientific Symposium New horizons of traffic and communications, pp.698-703, Doboj, Republic of Srpska Nov 2011 (origin in Serbian) (ISBN 978-99955-36-28-2)
  - 45 **G. Z. Marković** (2011), "Wireless communication technologies for intelligent transportation systems support», Proc. of the 3rd International Scientific Symposium New horizons of traffic and communications, pp.715-721, Doboj, Republic of Srpska, Nov 2011 (origin in Serbian) (ISBN 978-99955-36-28-2).

- 46 V. Radojičić, **G. Z. Marković**, B. Bakmaz (2011), » New Diffusion Model with Variable Market Potential«, Proc. of the 10th Int. Conference on Telecommunications in Modern Satellite Cable and Broadcasting Services - TELSIS 2011, Vol.2, pp. 637-640, Oct. 2011, Niš, Serbia (ISBN: 978-1-4577-2016-1)
- 47 V. Radojičić, **G. Z. Marković**, V. Aćimović-Raspopović (2011), »Forecasting FTTH as a New Broadband Technology«, Proc. of the XLVI Int. Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2011, Vol.3, pp. 579-583, Niš, June 2011 (ISBN: 978-86-6125-033-0)
- 48 V. Radojičić, **G. Z. Marković**, M. Vukašinović (2010), »Forecasting the Number of IPTV Subscribers in Serbia«, Proc. of the XLV Int. Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2010, Vol.2, pp. 517-520, Ohrid, Macedonia, 23-26 June 2010 (ISBN: 978-9989-786-57-0)
- 49 **G. Z. Marković**, V. Aćimović-Raspopović (2009), »Lightpaths establishment in optical WDM networks«, Proc. of the 2nd International Scientific Symposium New horizons of traffic and communications, pp. 352-356, Doboj, Republic of Srpska, 20-21. Nov 2009 (origin in Serbian) (ISBN 978-99955-36-18-3, COBISS.BH-ID 1276952)
- 50 V. Radojičić, **G. Z. Marković** (2009), » New Technology Forecasting using the Bass Model«, Proc. of the 9th Int. Conference on Telecommunications in Modern Satellite Cable and Broadcasting Services - TELSIS 2009, Vol.1, pp. 277-280, 7-9 oct. 2009, Niš, Serbia, ISBN:978-1-4244-4383-3
- 51 V. Radojičić, **G. Z. Marković** (2009), » An Application of Brand-Level Diffusion Model in the Mobile Communication Market«, Proc. of the XLIV Int. Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2009, Vol.2, pp. 651-654, V.Tarnovo, Bulgaria, June 2009 (ISBN: 978-954-438-795-2)
- 52 M. Dobrodolac, M. Blagojević, D. Marković, **G. Z. Marković** (2009), »Modern Communication Technologies Implementation in Function of Higher Quality Achievement in Postal Services« Proceedings of the 12th International Conference Dependability and Quality Management - ICDQM-2009, pp. 800-806, Belgrade, Serbia, 25-26 June 2009.
- 53 M. Dobrodolac, M. Blagojević, D. Marković, **G. Z. Marković** (2009), »Modern Communication Technologies Implementation in Function of Higher Quality Achievement in Postal Services« Proceedings of the 12th International Conference Dependability and Quality Management - ICDQM-2009, pp. 800-806, Belgrade, Serbia, 25-26 June 2009.
- 54 **G. Z. Marković**, V. Aćimović-Raspopović, D. Teodorović (2008), »The Optical WDM Network Link Failure Recovery Based on Bee Colony Optimization«, Proc. of the XLIII Int. Scientific Conference on Information, Communication and Energy Systems and Technologies - ICEST 2008, Vol. 1, pp. 31-35, Niš, June 2008 (ISBN 978-86-85195-59-4)
- 55 **G. Z. Marković**, V. Aćimović-Raspopović (2007), »An Application of Heuristic Algorithm Based on Route Minimum Cost for RWA in All-Optical WDM Networks«, Proc. of the 8th Int. Conference on Telecommunications in Modern Satellite Cable and Broadcasting Services - TELSIS 2007, Vol.2, pp. 397-400, Nis, 2007. (ISBN 978-86-85195-54-9)
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