

Prof.dr.sc. Dražena Gašpar (rođena Tomić)



CURRICULUM VITAE (CV)

Zaposlenje:

Ekonomski fakultet Sveučilišta u Mostaru

Adresa: Matice Hrvatske bb, 88000 Mostar, Bosnia and Herzegovina

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Osobni podaci:

Datum i mjesto rođenja: 18.07.1960., Mostar, Bosna i Hercegovina.

Adresa stanovanja: Zrinski Frankopana 1, 88000 Mostar, Bosna i Hercegovina

Nacionalnost: Hrvatica.

Državljanstvo: BiH i Hrvatsko.

Bračni status: udovica, bez djece

Obrazovanje: doktorat.

Formalno obrazovanje:

21.06.2001. doktorirala na Ekonomskom fakultetu Sveučilišta u Mostaru. Naziv doktorske disertacije je "Skladište podataka kao okruženje za sustave za potporu odlučivanju".

Magistrirala na Fakultetu organizacionih nauka (FON) Univerziteta u Beogradu (smjer Kibernetika i automatizacija) u lipnju 1991.

Diplomirala na Ekonomskom fakultetu u Mostaru 1983.

Radno iskustvo:

01.03.2001. - ... Profesor na Ekonomskom fakultetu Sveučilišta u Mostaru, BiH

Područje interesa: primjena informacijske tehnologije (IT), posebice baza podataka i softvera u poslovanju, primjena informacijske tehnologije (IT), posebice baza podataka i softvera u visokom obrazovanju, skladišta podataka, upravljanje podacima, metode i alati poslovne inteligencije, metodologije razvoja informacijskih sustava (IS), upravljanje projektima za razvoj softvera.

01.05.1996. - 28.02.2001. Optima-OR – IT integrator Mostar, BH -

Direktor softvera – odgovornost za organiziranje softverskih timova, menadžment i razvoj različitih softverskih rješenja prema korisničkim zahtjevima iz poduzeća iz različitih industrijskih grana.

01.02.1995. - 30.04.1996. Genel – IT integrator, Ploče, Croatia

Direktor softvera – odgovornost za menadžment i razvoj novih softverskih rješenja za poslovanje.

01.04.1993.- 31.01.1995. "Mas-Maf" – softversko poduzeće, Zagreb, Croatia
Voditelj softverskih projekata – odgovornost za menadžment i razvoj softverskih rješenja za maloprodaju, turizam i ugostiteljstvo.

01.06.1992.- 31.03.1993. Velmos Holding kompanija – veletrgovinsko poduzeće, Mostar, BiH
Direktor Elektroničkog računskog centra (ERC) – odgovornost za organizaciju i rukovođenje odjeljenjem poduzeća naziva ERC. ERC je osiguravao informacijsko-komunikacijsku potporu ne samo za Velmos, već za čitav APRO sustav čije je jedno od poduzeće bilo.

01.01.1990.- 31.05.1992. Velmos Holding kompanija – veletrgovinsko poduzeće, Mostar, BiH
Voditelj softverskih projekata – odgovornost za menadžment i razvoj novih softverskih rješenja potrebnih poduzeću.

01.07.1987.- 31.12.1989. Velmos Holding kompanija – veletrgovinsko poduzeće, Mostar, BiH
Projektant informacijskih sustava (IS) – odgovornost za razvoj i održavanje cjelokupnog informacijskog sustava za distribucijske centre i veleprodaju.

20.06.1985.- 30.06.1987. Velmos Holding kompanija – veletrgovinsko poduzeće, Mostar, BiH
Programer – odgovornost za razvoj novih i održavanje postojećih softverskih rješenja za potporu u veletrgovini i za izvješćivanje.

01.10.1990. - 28.02.2001. Asistent na Ekonomskom fakultetu u Mostaru, BiH (vanjski suradnik), na predmetima: Osnove informatike, Baze podatka i Softverski inženjering.

Sveučilišna karijera

23.02.2010. - Redoviti profesor

16.10.2006. – 22.02.2010. Izvanredni profesor

15.11.2001. – 15.10.2006. Docent

01.03.2001. – 14.11.2001. Viši asistent

Od 01.03.2001. suosnivač i suvlasnik softverskog poduzeća "Hera" sa sjedištem u Mostaru, Bosna i Hercegovina.

Upravljačke funkcije na Sveučilištu u Mostaru i Ekonomskom fakultetu Sveučilišta u Mostaru

Mandatno razdoblje: 2009 – 2012 - Prorektor za međunarodnu suradnju i poslovanje

Mandatno razdoblje: 2007 – 2009 - Prorektor za znanost i međunarodnu suradnju

Mandatno razdoblje: 2006 – 2007 (mandat završen ranije zbog prelaska na poziciju prorektora) - Prodekan za nastavu i studente na Ekonomskom fakultetu

Mandatno razdoblje: 2002 – 2006 – Prodekan za nastavu i studente na Ekonomskom fakultetu.

Profesionalno usavršavanje:

Siebel Analytics for EE-CIS Partner – radionica, Budimpešta, Mađarska (2006)
Oracle replication on site workshop (1999)
Oracle Designer, Developer and Headstart on site workshop (1999)
Oracle Designer/2000 – Oracle Education Center Ljubljana, Slovenija (1996)
Oracle Developer/2000 – Oracle Education Center Zagreb, Hrvatska (1996)

Osnovne tehničke kvalifikacije:

- Metodologije analize sustava i razvoja softvera: SCRUM, SDLC, Oracle PJM, Oracle CDM.
- Baze podataka: Oracle, Microsoft SQL, Access.
- Alati za razvoj softvera: Java NetBeans, Oracle Designer, Oracle Developer
- Programski jezici: Java, C++, SQL, PL/SQL.
- Operacijski sustavi: Windows operacijski sustavi
- Softverski paketi: Oracle BI, Oracle Sales Analyzer, Oracle Relational Access Administrator, Microsoft Project, Microsoft Office Professional

Ključne kvalifikacije:

Iskustvo u IT projektima:

- Konzultant na projektu “IT strategija zdravstvenog sektora u županiji Zapadnohercegovačkoj”, Mostar, 2008.
- Konzultant na Projektu razvoja poslovnog informacijskog sustava za Petrol dd, Ljubuški (2005/2006)
- Konzultant na Projektu razvoja informacijskog sustava za Hercegovina vino dd, Mostar (2004/2005)
- Konzultant na Projektu razvoja kadrovske i financijske aplikacije za Kliničku bolnicu Mostar (2004)
- Konzultant na Projektu razvoja kadrovske i financijske aplikacije za Zavod zdravstvenog osiguranja HNŽ/HNK (2003/2004)
- Konzultant na projektu "Strategy of Development ICT in BH" (e-government), UNDP BH 2004
- Ko-moderator okruglog stola Government (State/Entities level) – UNDP BH - ICT Forum 2002/2003.
- Voditelj projekta: Modernizacija informacijskog sustava Zavoda za platni promet (ZAP) Mostar (od veljače 1999 do listopada 2000.)
- Zamjenik voditelja projekta i projektant na projektu: Razvoj statistike za Zavod za zapošljavanje (2000)
- Zamjenik voditelja projekta i projektant na projektu: Razvoj “Bilten”-a (Godišnje izvješće o tržištu rada) (2000)
- Zamjenik voditelja projekta na projektu: LMIS (Labor Market Information System) (1998- 2000)
- Voditelj projekta za razvoj softvera za financije i računovodstvo za poštanske urede u Mostaru, Livnu, Čapljini, Vitezu i Orašju (od lipnja 1998 do prosinca 1999.)
- Voditelj projekta za razvoj softvera za financije i računovodstvo za Ministarstvo financija HNŽ u Mostaru (od lipnja June 1998 do prosinca 1999.)
- Voditelj projekta za Ministarstvo unutarnjih poslova Mostar (od siječnja 1997 do prosinca 1997.)

- Voditelj projekta Poslovni informacijski sustav (od srpnja 1996 do kolovoza 1997.)
- Voditelj projekta za maloprodaju za Projekt hotel "Turist" Varaždin, Hrvatska (1994)
- Voditelj projekta za maloprodaju za Projekt "Brodokomerc" Rijeka, Hrvatska (1993)
- Voditelj projekta za analizu financija i likvidnosti Velmos kompanije Mostar (1991).

Ostali projekti (visoko obrazovanje)

1. Tempus Bosnia and Herzegovina Qualifications Framework for Higher Education – BHQFHE (2013-2015)
2. Tempus Benchmarking as a tool for improvement of higher education performance (BIHTEK) 2012-2014
3. Tempus Developing information literacy for lifelong learning and knowledge economy in Western Balkan countries (RINGIDEA) – 2012.
4. Tempus SHEQA (Strategic management of Higher Education Institutions based on Integrated Quality Assurance System – 2010-2013.
5. Tempus Center for Curricula Modernization and Lifelong Learning – CCMLL, 2010-2012.
6. Tempus Building Capacity for Structural Reform in Higher Education of Western Balkan Countries – STREW, 2010-2013.
7. Tempus European Union standards for accreditation of study programmes on BH universities - ESABIH (2009-2012)
8. Engaged as domestic expert by Council of Europe in BiH for work at joint project EU/VE „Strategic Development of Higher Education and Standards of Qualifications“ (2013)
9. Project “Development of Information System for Quality Assurance”, (2010-2011) WUS Austrija
10. Project Strengthening Higher Education in Bosnia and Herzegovina 2009-2011 (SHE III) – council of Europe
11. Tempus JP „Modernization and Reconstruction of University Management and Structure“ –MOREM, Training „How to change management“, Krems, Austrija, 22-26.09.2009.
12. Tempus JP „Modernization and Reconstruction of University Management and Structure“ – MOREM, Maribor, Slovenija, 15-18.04.2009.
13. Tempus Opening University towards Society – Linking Education-Research-Innovation (OPUS) Zagreb, Hrvatska, 08-10.02.2009.
14. Tempus JEP «Introduction of the ECTS at B&H universities» Workshop: Review of achieved results Porto, 20. 02. – 24.02. 2008.
15. TEMPUS JEP-41078-2006 "From Quality Assurance to Strategy Development", Graz, Austrija, 08-11.10.2007.
16. Project Strengthening Higher Education in Bosnia and Herzegovina 2005-2007 (SHE II) – council of Europe
17. Training seminar “INTRODUCTION OF THE ECTS AT THE BIH UNIVERSITIES”, TEMPUS UM-jep-18041-2003: Gent, Belgium (19-21-10.2005. i 31.05-04.06.2006)
18. Trening seminar u trajanju od dva tjedna o ECTS-u u Aalen-u, Njemačka, Tempus UM_JEP-1700-2002, veljača 2002.

Jezici:

Hrvatski, Bosanski
Engleski – vrlo dobar

Članstva u profesionalnim organizacijama

IEEE (Institute of Electrical and Electronics Engineers) – Najveća svjetska profesionalna organizacija posvećena naprednoj tehnologiji za dobrobit čovječanstva.

International TEAM (Techniques, Education, Agriculture and Management) Society
Na Listi stručnjaka Agencije za razvoj visokog obrazovanja i osiguranje kvaliteta Bosne i Hercegovine od 2010 - stručnjak za davanje ocjene i obavljanje revizije kvaliteta i davanje preporuke o akreditaciji visokoškolskih ustanova – predstavnik akademske zajednice u BiH.

Član Savjeta za nauku Bosne i Hercegovine (za mandatno razdoblje 2009-2014)

Član državne komisije za razvoj kvalifikacijskog okvira u BiH (za mandatno razdoblje od jedne godine - 2013).

Znanstveno područje interesa:

- Informacijska tehnologija u poslovanju,
- Informacijska tehnologija u obrazovanju,
- Baze podataka,
- Skladište podataka,
- Poslovna inteligencija,
- Programiranje,
- Metodologija razvoja informacijskih sustava,
- Razvoj softvera,
- Upravljanje projektima za razvoj softvera,
- ICT u inkluzivnom obrazovanju.

Predaje sljedeće predmete (Ekonomski fakultet Sveučilišta u Mostaru)

- a) Preddiplomski studij: Poslovni informacijski sustav, Upravljanje podacima, Računovodstveni informacijski sustav, Programiranje, Poslovna inteligencija, Softverski inženjering
- b) Diplomski studij: Upravljanje podacima, Skladištenje podataka

Predaje sljedeće predmete (Fakultet prirodoslovno matematičkih i odgojnih znanosti Sveučilišta u Mostaru)

- c) Preddiplomski studij: Baze podataka
- d) Diplomski studij: Programiranje u Javi

U 2016 godini ušla u uži izbor od 10 nominiranih za nagradu European Centre for Women and Technology (ECWT) u kategoriji društveni utjecaj (social impact).

Radovi:

Autor i ko-autor pet (5) knjiga, šest (6) poglavlja u knjigama i više od 100 znanstvenih i stručnih radova.

RADOVI:

a) *Autorske knjige*

1. *Bridging Relational and NoSQL Databases*, Information Science Reference, IGI-Global, USA, 2018.
2. *Modeliranje podataka*, Hera, Mostar, 2014.
3. *Osnove programiranje*, Ekonomski fakultet Sveučilišta u Mostaru, 2010.
4. *Uvod u algoritme i strukture podataka*, Ekonomski fakultet Sveučilišta u Mostaru, 2008.
5. *Programiranje 1*, Ekonomski fakultet Sveučilišta u Mostaru, 2006.

b) *Poglavlja u knjigama*

1. *Enterprise Risk Management Software: User Requirements*, chapter 7 in "Always-On Enterprise Information Systems for Modern Organizations edited by Nijaz Bajgorić, Research Essentials Collection, IGI-Global, USA, 2018.
2. *Strengths and Limitations of Social Media Analytics Tools*, Chapter 12 in Applying Predictive Analytics within the Service Sector edited by Sahu, R., Dash, M, Kumar, A., A volume in the Advances in Business Information Systems and Analytics (ABISA) Book Series, IGI Global, USA, 2017.
3. *ICT Eases Inclusion in Education*, Chapter 220 in Encyclopedia of Information Science and Technology, Fourth Edition, 10 Volumes, IGI Global, 2017.
4. *Marketing Intelligent Systems for Customer Segmentation*, Chapter 11 in „Marketing Intelligent Systems Using Soft Computing Studies in Fuzziness and Soft Computing, Volume Springer Verlag 258., 2010.
5. *Continuous Database Availability*, Chapter 8 in „Always-On Enterprise Information Systems for Business Continuance- Technologies for Reliable and Scalable Operations“, IGI Global, USA, 2009.
6. *Genetic Algorithms for Economics Modeling*, Chapter 33, DAAAM International Scientific Book 2003, B.Katalinic (Ed.), str. 381-392, Published by DAAAM International, ISBN: 3-901509-36-4, ISSN 1726-9687, Vienna, Austria

c) *Dio članaka objavljenih u zadnjih pet godina*

1. D.Gašpar, M.Mabić, T.Krtalić (2017) *Integrating Two Worlds: Relational and NoSQL*, 28th International Conference Central European Conference on Information and Intelligent Systems (CECIIS), September 27 - 29, Varaždin, Croatia.
2. Mabić, M., Gašpar, D., Lucović, D. (2017) *Social Networks – Potential And Challenges In Bosnia And Herzegovina Government Institutions*, DIEM : Dubrovnik International Economic Meeting, Vol. 3, No. 1.

3. Mabić, M., Gašpar, D.; Lucović, D. (2017) *Presence of Banks on Social Networks in Bosnia and Herzegovina*, Business systems research journal : international journal of the Society for Advancing Business & Information Technology (BIT), Vol. 8, No. 2.
4. M. Mabić, F. Dedić, N. Bijedić, D. Gašpar (2017) *Data Mining and Curriculum Development in Higher Education*, International Conference on Information Technology and Development of Education – ITRO 2017, June, Zrenjanin, Republic of Serbia
5. Gašpar, D., Ćorić, I. (2016). Enterprise Risk Management Software – Support to Business Decision Making, 5th M-Sphere Conference 2016, October 27-29, Dubrovnik, Croatia.
6. Gašpar, D., Ćorić, I., Mabić, M. (2016). Neural Network Model for Forecasting Customer Profitability, Specialty Journal of Accounting and Economics SCI (Science Arena Publications), Vol 2 (2):5-14, 2016.
7. Gašpar, D., Mabić, M., Ćorić, I. (2016). Data Mining in Customer Segmentation, 20th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2016, Mediterranean Sea Cruising, 24th September - 1st October.
8. Gašpar, D., Mabić, M. (2016). *NoSQL Databases for Big Data Management*, 27th International Conference Central European Conference on Information and Intelligent Systems (CECIIS), September 21 - 23, 2016, Varaždin, Croatia
9. Gašpar, D., Mabić, M., Lucović, D. (2016). *How Banks in Bosnia and Herzegovina Use Social Networks?*, 2nd ENTRENOVA - ENTERPRISE RESEARCH INNOVATION CONFERENCE, September 8-9, 2016, Rovinj, Croatia
10. Gašpar, D., Bešker, M. (2016). ERM VENTURE softver za upravljanje rizicima, STRUČNI SKUP Zaštita zdravlja pri radu s opasnim tvarima Rizici, novosti, prijevoz, edukacija, HRVATSKA UDRUGA ZA ZDRAVO RADNO MJESTO, 17. svibnja 2016, Zagreb, Croatia.
11. Gašpar, D. (2016). ERM Venture Softver – Jednostavno i kvalitetno upravljanje rizicima, 17. međunarodni simpozij o kvaliteti/17th International Symposium on Quality KVALITETA ČINI RAZLIKU/QUALITY MAKES A DIFFERENCE, Zadar, Hrvatska, 16.-18.3.2016./Zadar, Croatia, March 16th - 18th, 2016
12. Gašpar, D. (2016). ERM Venture Softver – Jednostavno i kvalitetno upravljanje rizicima, Kvalitet & Izvrsnost, Godina V, Broj 1-2, 2016, Beograd, Srbija.
13. Gašpar, D., Mabić, M., (2015): **Creativity in higher education**, Universal Journal of Educational Research, Horizon Research Publishing Corporation, Alhambra, USA, Vol.3 (9): 598-605, September 2015, ISSN 2332-3213.
14. Gašpar, D., Mabić, M., Ćorić, I. (2015): **Risk Management Software – Standpoints of Users**, The 2015 ENTERPRISE RESEARCH INNOVATION CONFERENCE (ENTRENOVA 2015), Kotor, Montenegro, 10-11.09.2015.
15. Gašpar, D., Mabić, M., Ćorić, I. (2015): **Data Mining And Predicting Student Performance**, 19th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", TMT 2015, Barcelona, Spain, 22-23.07.2015.
16. Gašpar, D., Mabić, M., Krešić, D. (2015): **OLAP U PRAVOSUĐU**, 2nd International Conference "New Technologies NT-2015", Society For Robotics Of Bosnia & Herzegovina, Academy Of Sciences And Arts Of Bosnia & Herzegovina, University Of Mostar Faculty Of Mechanical Engineering In Mostar, Intera Technology Park Mostar, Bosnia And Herzegovina, 24-25.04.2015., Mostar
17. Gašpar, D., Mabić, M., (2015): **Student engagement in fostering quality teaching in higher education**, Journal of Educational and Research, MSCER Publishing, Rome, Italy, Vol.5. No 1 SI, April 2015, ISSN 2239-978X, ISSN 2240-0524.
18. Gašpar, D., Mabić, M., (2015): **Fostering Creativity - Foundation for Management of Higher Education Institutions**, CIS - 34rd International Conference on Organizational Science Development, Portorož, Slovenija, 25-27.03.2015.
19. Bijedić, N., Gašpar, D., Pašić, S. (2015): **Internationalization As Universities' Strive For Excellence**, Eurasian Journal of Social Sciences, 3(2), 2015, 35-40.

20. Gašpar, D., Mabić, M., (2014): **Creativity In Higher Education**, 5th International Scientific Conference: Economic and Social Development, Beograd, Srbija; 04/2014 (10.-11.4.2014.)
21. Gašpar, D., Mabić, M. (2014): **Managerial Positions And Academic Careers In Higher Education**, 3rd REDETE Conference: Researching Economic Development and Entrepreneurship in Transitional Economies, Banja Luka, BiH (10.-11.4.2014.)
22. Coric, I.; Gaspar, D., Mabic, M. (2014): **Business Intelligence and Production Systems**, The 4th International Conference "Vallis Aurea" Focus on: Regional & Innovation Development, Pošega, Hrvatska (18.-20.9.2014.)
23. Gašpar, G., Zovko, J., Mabić, M. (2014): **Education of Students of Economics for e-Society**, Central European Conference on Information and Intelligent Systems (CECIIS), Varaždin, Hrvatska (17.-19.9.2014.)
24. Gašpar, D., Čorić, I., Mabić, M. (2014): **Data Mining in Customer Profitability Analysis**, The 7th International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD), Cipar, Grčka (5.-6.6.2014.)
25. Gašpar, D., Mabić, M. (2014): **How Students Understand Learning Outcomes**, International Professional Conference ME4 CataLogue, Slavonski Brod, Hrvatska (4.-5.12.2014.)
26. Mabić, M., Gašpar, D., Zovko, J. (2014): **e-Dnevnik: Stavovi profesora srednjih škola na području Hercegovine**, 21. Međunarodni znanstveni skup »DRUŠTVO I TEHNOLOGIJA 2014 – Dr. Juraj Plenković«, Opatija, Hrvatska; 06/2014
27. Gašpar, D. (2014): **Information Technology and KPIs Development at Universities**, IMR, Opatija, Croatia.
28. Gašpar, D. & Vetma, S.(2014). **ICT in promoting inclusive practice in education**. In *Proceedings of International Conference on e-Education - ICeE* (pp. 55-62). Mostar, Bosnia and Herzegovina: Faculty of Information Technologies, University "Džemal Bijedić".
29. Gašpar, D., Rezić, S. (2014): **Information Technology and Strategic Management of Universities**, Journal of Business and Economics, ISSN 2155-7950, USA, November 2014, Volume 5, No.11, pp 249-261.

Ostale publikacije

1. Strategija Sveučilišta u Mostaru, 2010. (grupa autora)
2. Self-evaluation report of University of Mostar, 2008. (grupa autora)
3. Institucionalna politika osiguranja kvalitete Sveučilišta u Mostaru, 2009. (grupa autora)
4. Strategija osiguranja kvalitete – Sveučilište u Mostaru, 2008. (grupa autora)
5. Standardi i smjernice za osiguranje kvalitete na Sveučilištu u Mostaru, 2008. (grupa autora)
6. Interna samoanaliza Ekonomskog Fakulteta Sveučilišta u Mostaru, 2004. (grupa autora)
7. ECTS vodič Ekonomskog Fakulteta Sveučilišta u Mostaru, 2004. (grupa autora).

Dražena Gašpar (maiden n. Tomić), PhD, Prof.



CURRICULUM VITAE (CV)

Business:

Faculty of Economics, University of Mostar

Address: Matice Hrvatske bb, 88000 Mostar, Bosnia and Herzegovina

Tel/Fax: +387 36 355 100

Mobile: +387 63 311 535

Mail: drazena.gaspar@sve-mo.ba, drazena.gaspar@gmail.com

Personal:

Date and place of birth: 18.07.1960., Mostar, Bosnia and Herzegovina.

Private address: Zrinski Frankopana 1, 88000 Mostar, Bosnia and Herzegovina

Nationality: Croatian.

Citizenship: BH and Croatian.

Marital status: widow, without children

Education: doctoral degree.

Formal education:

21.06.2001. earn doctoral degree on Faculty of Economics – University of Mostar with thesis named "Data Warehouse as Environment for Decision Support Systems".

Master degree on Faculty of Organization Sciences in Belgrade (group for Cybernetic and Automation) in June 1991.

Graduated on Faculty of Economics Mostar in 1983.

Employment Record (full time jobs):

01.03.2001. - ... Professor at Faculty of Economics – University of Mostar, BH

Area of interest: application of IT, particulary databases and software in business, application of IT, particulary databases and software in higher education, data warehouse, data management, business intelligence methods and tools, methodology for development of IS, project management of software development.

01.05.1996. - 28.02.2001. Optima-OR – IT solutions provider Mostar, BH -

Director of software – responsible for organization of software teams, management and development of different software solutions requested by users (companies) from different industries.

01.02.1995. - 30.04.1996. Genel – IT solutions provider, Ploče, Croatia

Director of software – responsible for management and development of new software solutions for business.

01.04.1993.- 31.01.1995. "Mas-Maf" – Software company, Zagreb, Croatia
Software Project manager – responsible for management and development of software solutions in retail trade and tourism and hospitality.

01.06.1992.- 31.03.1993. Velmos Holding company – Wholesale company, Mostar, BH
Director of Electronic Data Center - responsible for organization and management of company's department called ERC (Electronic Data Center). ERC ensured ICT support not just for Velmos, but for whole APRO system whose one of companies was Velmos.

01.01.1990.- 31.05.1992. Velmos Holding company - Wholesale company, Mostar, BH
Software Project manager - responsible for management and development of new software solutions required by company.

01.07.1987.- 31.12.1989. Velmos Holding company - Wholesale company, Mostar, BH
IS Designer – responsible for developing and maintenance of the whole information system in distribution and wholesale.

20.06.1985.- 30.06.1987. Velmos Holding company - Wholesale company, Mostar, BH
Software developer – responsible for developing of new and maintenance of existing software solutions for support in wholesale and company's reporting.

01.10.1990. - 28.02.2001. Assistant Professor on the Faculty of Economic in Mostar, BH (part time job), on the subjects: The Basic of Computer Sciences, Data Bases and Software Engineering.

University career development

23.02.2010. - Full time professor
16.10.2006. – 22.02.2010. Assistant professor
15.11.2001. – 15.10.2006. Associate Professor
01.03.2001. – 14.11.2001. Assistant professor

Since 01.03.2001. co-founder and co-owner of "Hera" software company located in Mostar, Bosnia and Herzegovina.

Managerial positions at University of Mostar and Faculty of Economics, University of Mostar

Mandate period: 2009 – 2012 - Vice Rector for international cooperation and business
Mandate period: 2007 – 2009 - Vice Rector for science and international cooperation
Mandate period: 2006 – 2007 (mandate finished earlier because of taking over position of vice rector) - Vice Dean for teaching and students at Faculty of Economics
Mandate period: 2002 – 2006 – Vice Dean for teaching and students at Faculty of Economics

Professional Education:

Siebel Analytics for EE-CIS Partner – workshop, Budapest, Hungary (2006)
Oracle replication on site workshop (1999)
Oracle Designer, Developer and Headstart on site workshop (1999)
Oracle Designer/2000 – Oracle Education Center Ljubljana, Slovenia (1996)
Oracle Developer/2000 – Oracle Education Center Zagreb, Croatia (1996)

Main Technical Qualifications:

- Methodologies of System Analysis and Development: SCRUM, SDLC, Oracle PJM, Oracle CDM.
- Databases: Oracle, Microsoft SQL, Access.
- Software development tools: Java NetBeans, Oracle Designer, Oracle Developer
- Programming languages: Java, C++, SQL, PL/SQL.
- Operating systems: Windows operating systems
- Software packages: Oracle BI, Oracle Sales Analyzer, Oracle Relational Access Administrator, Microsoft Project, Microsoft Office Professional

Key Qualifications:

IT Projects experiences:

- Consultant on Project “IT Strategy for health sector in canton West Herzegovina”, Mostar, 2008.
- Consultant on Project of Development of Business Information System for Petrol dd, Ljubuški (2005/2006)
- Consultant on Project of Development of IS for Hercegovina vino dd, Mostar (2004/2005)
- Consultant on Project of Development of Human Resources and Financial Applications for Clinical Hospital, Mostar (2004)
- Consultant on Project of Development of Human Resources and Financial Applications for Health insurance institute HNŽ/HNK (2003/2004)
- Consultant on Project "Strategy of Development ICT in BH" (e-government) 2004
- Co-moderator for Round table Government (State/Entities level) – UNDP BH - ICT Forum 2002/2003.
- Project manager on Project: Modernization of Information System for Payment Agency Mostar (from February 1999 until October 2000.)
- Assistant Project manager and developer on Project: Development of Labor Market Statistics (2000)
- Assistant Project manager and developer on Project: Development of “Bilten” (Annual Report about Labor Market) (2000)
- Assistant Project manager on Project: LMIS (Labor Market Information System) (1998- 2000)
- Project Manager on Project for Financial and Accounting Software Development for the Post Offices in Mostar, Livno, Čapljina, Vitez and Orašje (from June 1998 until December 1999.)
- Project Manager on Project for Financial and Accounting Software Development for the Ministry of Finance HNŽ in Mostar (from June 1998 until December 1999.)
- Project manager on Project for Ministry of Internal Affairs Mostar (from January 1997 until December 1997.)

- Project Manager on Project for Business Information System (from July 1996 until August 1997.)
- Retail project manager on Project for Hotel “Turist” Varaždin, Croatia (1994)
- Retail project manager on Project for “Brodokomerc” Rijeka, Croatia (1993)
- Project manager on Project: Financial Analysis and Liquidity of Velmos Company Mostar (1991)

Other projects (Higher Education)

1. Tempus Bosnia and Herzegovina Qualifications Framework for Higher Education – BHQFHE (2013-2015)
2. Tempus Benchmarking as a tool for improvement of higher education performance (BIHTEK) 2012-2014
3. Tempus Developing information literacy for lifelong learning and knowledge economy in Western Balkan countries (RINGIDEA) – 2012.
4. Tempus SHEQA (Strategic management of Higher Education Institutions based on Integrated Quality Assurance System – 2010-2013.
5. Tempus Center for Curricula Modernization and Lifelong Learning – CCMLL, 2010-2012.
6. Tempus Building Capacity for Structural Reform in Higher Education of Western Balkan Countries – STREW, 2010-2013.
7. Tempus European Union standards for accreditation of study programmes on BH universities - ESABIH (2009-2012)
8. Engaged as domestic expert by Council of Europe in BiH for work at joint project EU/VE „Strategic Development of Higher Education and Standards of Qualifications“ (2013)
9. Project “Development of Information System for Quality Assurance”, (2010-2011) WUS Austria
10. Project Strengthening Higher Education in Bosnia and Herzegovina 2009-2011 (SHE III) – council of Europe
11. Tempus JP „Modernization and Reconstruction of University Management and Structure“ –MOREM, Training „How to change management“, Krems, Austria, 22-26.09.2009.
12. Tempus JP „Modernization and Reconstruction of University Management and Structure“ – MOREM, Maribor, Slovenia, 15-18.04.2009.
13. Tempus Opening University towards Society – Linking Education-Research-Innovation (OPUS) Zagreb, Croatia, 08-10.02.2009.
14. Tempus JEP «Introduction of the ECTS at B&H universities» Workshop: Review of achieved results Porto, 20. 02. – 24.02. 2008.
15. TEMPUS JEP-41078-2006 "From Quality Assurance to Strategy Development", Graz, Austria, 08-11.10.2007.
16. Project Strengthening Higher Education in Bosnia and Herzegovina 2005-2007 (SHE II) – council of Europe
17. Training seminar “INTRODUCTION OF THE ECTS AT THE BIH UNIVERSITIES”, TEMPUS UM-jep-18041-2003: Gent, Belgium (19-21-10.2005. i 31.05-04.06.2006)
18. Two weeks training seminar about ECTS in Aalen, Germany, Tempus UM_JEP-1700-2002, February 2002.

Languages:

Croatian, Bosnian – native languages

English – very good

Memberships

IEEE (Institute of Electrical and Electronics Engineers) - The world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

International TEAM (Techniques, Education, Agriculture and Management) Society

On the List of Experts – representatives of the academic community in BiH, Agency for Development of Higher Education and Quality Assurance

Member of Council of Science Bosnia and Herzegovina (with mandate period 2009-2014)

Member of State Commission for development of qualification framework in BiH (with mandate period of one year - 2013)

Research interests:

- Information technology in business,
- Information technology in education,
- Databases,
- Data Warehouse,
- Business Intelligence,
- Programming,
- Methodology for development of Information Systems,
- Software development,
- Project management of software development,
- ICT in inclusive education.

Lecture following courses (Faculty of Economics University of Mostar)

Undergraduate: Business Information Systems, Database Systems, Accounting Information Systems, Programming, Business Intelligence, Software Engineering

a) Graduate: Data Management Systems, Data warehouse

Lecture following courses (Faculty of Natural Sciences and Education University of Mostar)

b) Undergraduate: Database Systems

c) Graduate: Java programming

In 2016 among top 10 nominees for awards of European Centre for Women and Technology (ECWT) in category Social Impact.

Publications:

The author and co-author of five (5) books, five (5) book chapters and more than 100 scientific and professional papers.

PUBLICATIONS:

a) *Authored Book*

1. *Bridging Relational and NoSQL Databases*, Information Science Reference, IGI-Global, USA, 2018.
2. *Data modeling*, Hera, Mostar (Croatian language), 2014.
3. *Principles of programing*, Faculty of Economics University of Mostar (Croatian language), 2010.
4. *Introduction to algorithms and data structures*, Faculty of Economics University of Mostar (Croatian language), 2008.
5. *Programing 1*, Faculty of Economics University of Mostar (Croatian language), 2006.

b) *Book chapters*

1. *Enterprise Risk Management Software: User Requirements*, chapter 7 in "Always-On Enterprise Information Systems for Modern Organizations edited by Nijaz Bajgorić, Research Essentials Collection, IGI-Global, USA, 2018.
2. *Strengths and Limitations of Social Media Analytics Tools*, Chapter 12 in Applying Predictive Analytics within the Service Sector edited by Sahu, R., Dash, M, Kumar, A., A volume in the Advances in Business Information Systems and Analytics (ABISA) Book Series, IGI Global, USA, 2017.
3. *ICT Eases Inclusion in Education*, Chapter 220 in Encyclopedia of Information Science and Technology, Fourth Edition, 10 Volumes, IGI Global, 2017.
4. *Marketing Intelligent Systems for Customer Segmentation*, Chapter 11 in „Marketing Intelligent Systems Using Soft Computing Studies in Fuzziness and Soft Computing, Volume Springer Verlag 258., 2010.
5. *Continuous Database Availability*, Chapter 8 in „Always-On Enterprise Information Systems for Business Continuance- Technologies for Reliable and Scalable Operations“, IGI Global, USA, 2009.
6. *Genetic Algorithms for Economics Modeling*, Chapter 33, DAAAM International Scientific Book 2003, B.Katalinic (Ed.), str. 381-392, Published by DAAAM International, ISBN: 3-901509-36-4, ISSN 1726-9687, Vienna, Austria

c) *Some of the articles in last five years*

1. D.Gašpar, M.Mabić, T.Krtalić (2017) *Integrating Two Worlds: Relational and NoSQL*, 28th International Conference Central European Conference on Information and Intelligent Systems (CECIIS), September 27 - 29, Varaždin, Croatia.
2. Mabić, M., Gašpar, D., Lucović, D. (2017) *Social Networks – Potential And Challenges In Bosnia And Herzegovina Government Institutions*, DIEM : Dubrovnik International Economic Meeting, Vol. 3, No. 1.

3. Mabić, M., Gašpar, D.; Lucović, D. (2017) *Presence of Banks on Social Networks in Bosnia and Herzegovina*, Business systems research journal : international journal of the Society for Advancing Business & Information Technology (BIT), Vol. 8, No. 2.
4. M. Mabić, F. Dedić, N. Bijedić, D. Gašpar (2017) *Data Mining and Curriculum Development in Higher Education*, International Conference on Information Technology and Development of Education – ITRO 2017, June, Zrenjanin, Republic of Serbia
5. Gašpar, D., Ćorić, I. (2016). Enterprise Risk Management Software – Support to Business Decision Making, 5th M-Sphere Conference 2016, October 27-29, Dubrovnik, Croatia.
6. Gašpar, D., Ćorić, I., Mabić, M. (2016). Neural Network Model for Forecasting Customer Profitability, Specialty Journal of Accounting and Economics SCI (Science Arena Publications), Vol 2 (2):5-14, 2016.
7. Gašpar, D., Mabić, M., Ćorić, I. (2016). Data Mining in Customer Segmentation, 20th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology" TMT 2016, Mediterranean Sea Cruising, 24th September - 1st October.
8. Gašpar, D., Mabić, M. (2016). *NoSQL Databases for Big Data Management*, 27th International Conference Central European Conference on Information and Intelligent Systems (CECIIS), September 21 - 23, 2016, Varaždin, Croatia
9. Gašpar, D., Mabić, M., Lucović, D. (2016). *How Banks in Bosnia and Herzegovina Use Social Networks?*, 2nd ENTRENOVA - ENTERPRISE RESEARCH INNOVATION CONFERENCE, September 8-9, 2016, Rovinj, Croatia
10. Gašpar, D., Bešker, M. (2016). ERM VENTURE softver za upravljanje rizicima, STRUČNI SKUP Zaštita zdravlja pri radu s opasnim tvarima Rizici, novosti, prijevoz, edukacija, HRVATSKA UDRUGA ZA ZDRAVO RADNO MJESTO, 17. svibnja 2016, Zagreb, Croatia.
11. Gašpar, D. (2016). ERM Venture Softver – Jednostavno i kvalitetno upravljanje rizicima, 17. međunarodni simpozij o kvaliteti/17th International Symposium on Quality KVALITETA ČINI RAZLIKU/QUALITY MAKES A DIFFERENCE, Zadar, Hrvatska, 16.-18.3.2016./Zadar, Croatia, March 16th - 18th, 2016
12. Gašpar, D. (2016). ERM Venture Softver – Jednostavno i kvalitetno upravljanje rizicima, Kvalitet & Izvrsnost, Godina V, Broj 1-2, 2016, Beograd, Srbija.
13. Gašpar, D., Mabić, M., (2015): **Creativity in higher education**, Universal Journal of Educational Research, Horizon Research Publishing Corporation, Alhambra, USA, Vol.3 (9): 598-605, September 2015, ISSN 2332-3213.
14. Gašpar, D., Mabić, M., Ćorić, I. (2015): **Risk Management Software – Standpoints of Users**, The 2015 ENTERPRISE RESEARCH INNOVATION CONFERENCE (ENTRENOVA 2015), Kotor, Montenegro, 10-11.09.2015.
15. Gašpar, D., Mabić, M., Ćorić, I. (2015): **Data Mining And Predicting Student Performance**, 19th International Research/Expert Conference "Trends in the Development of Machinery and Associated Technology", TMT 2015, Barcelona, Spain, 22-23.07.2015.
16. Gašpar, D., Mabić, M., Krešić, D. (2015): **OLAP U PRAVOSUĐU**, 2nd International Conference "New Technologies NT-2015", Society For Robotics Of Bosnia & Herzegovina, Academy Of Sciences And Arts Of Bosnia & Herzegovina, University Of Mostar Faculty Of Mechanical Engineering In Mostar, Intera Technology Park Mostar, Bosnia And Herzegovina, 24-25.04.2015., Mostar
17. Gašpar, D., Mabić, M., (2015): **Student engagement in fostering quality teaching in higher education**, Journal of Educational and Research, MSCER Publishing, Rome, Italy, Vol.5. No 1 SI, April 2015, ISSN 2239-978X, ISSN 2240-0524.
18. Gašpar, D., Mabić, M., (2015): **Fostering Creativity - Foundation for Management of Higher Education Institutions**, CIS - 34rd International Conference on Organizational Science Development, Portorož, Slovenija, 25-27.03.2015.
19. Bijedić, N., Gašpar, D., Pašić, S. (2015): **Internationalization As Universities' Strive For Excellence**, Eurasian Journal of Social Sciences, 3(2), 2015, 35-40.

20. Gašpar, D., Mabić, M., (2014): **Creativity In Higher Education**, 5th International Scientific Conference: Economic and Social Development, Beograd, Srbija; 04/2014 (10.-11.4.2014.)
21. Gašpar, D., Mabić, M. (2014): **Managerial Positions And Academic Careers In Higher Education**, 3rd REDETE Conference: Researching Economic Development and Entrepreneurship in Transitional Economies, Banja Luka, BiH (10.-11.4.2014.)
22. Coric, I.; Gaspar, D., Mabic, M. (2014): **Business Intelligence and Production Systems**, The 4th International Conference "Vallis Aurea" Focus on: Regional & Innovation Development, Pošega, Hrvatska (18.-20.9.2014.)
23. Gašpar, G., Zovko, J., Mabić, M. (2014): **Education of Students of Economics for e-Society**, Central European Conference on Information and Intelligent Systems (CECIIS), Varaždin, Hrvatska (17.-19.9.2014.)
24. Gašpar, D., Ćorić, I., Mabić, M. (2014): **Data Mining in Customer Profitability Analysis**, The 7th International Conference for Entrepreneurship, Innovation and Regional Development (ICEIRD), Cepar, Grčka (5.-6.6.2014.)
25. Gašpar, D., Mabić, M. (2014): **How Students Understand Learning Outcomes**, International Professional Conference ME4 CataLogue, Slavonski Brod, Hrvatska (4.-5.12.2014.)
26. Mabić, M., Gašpar, D., Zovko, J. (2014): **e-Dnevnik: Stavovi profesora srednjih škola na području Hercegovine**, 21. Međunarodni znanstveni skup »DRUŠTVO I TEHNOLOGIJA 2014 – Dr. Juraj Plenković«, Opatija, Hrvatska; 06/2014
27. Gašpar, D. (2014): **Information Technology and KPIs Development at Universities**, IMR, Opatija, Croatia.
28. Gašpar, D. & Vetma, S.(2014). **ICT in promoting inclusive practice in education**. In *Proceedings of International Conference on e-Education - ICeE* (pp. 55-62). Mostar, Bosnia and Herzegovina: Faculty of Information Technologies, University "Džemal Bijedić".
29. Gašpar, D., Rezić, S. (2014): **Information Technology and Strategic Management of Universities**, Journal of Business and Economics, ISSN 2155-7950, USA, November 2014, Volume 5, No.11, pp 249-261
- Gašpar, D., Ćorić, I. (2016). **Enterprise Risk Management Software – Support to Business Decision Making**, 5th M-Sphere Conference 2016, October 27-29, Dubrovnik, Croatia.

Some of the other publications

1. Strategy of University of Mostar, 2010. (group of authors)
2. Self-evaluation report of University of Mostar, 2008. (group of authors)
3. Institutional politic of quality assurance - University of Mostar, 2009. (group of authors)
4. Strategy of quality assurance – University of Mostar, 2008. (group of authors)
5. Standards and guidelines for quality assurance at University of Mostar, 2008. (group of authors)
6. Self-evaluation report – Faculty of Economics University of Mostar, 2004. (group of authors)
7. ECTS guide book – Faculty of Economics University of Mostar, 2004. (group of authors)