

PERSONAL INFORMATION

Siniša Delčev



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POSITION

College / University teaching professional

WORK EXPERIENCE

1983–1994

Research Assistant

University of Belgrade, Faculty of Civil Engineering, Department of Geodesy, Belgrade (Serbia)

Business or sector Work at Metrological Laboratory for Angle and Length Calibration, ML160

1994–2002

Teaching Assistant

University of Belgrade, Faculty of Civil Engineering, Department of Geodesy, Belgrade (Serbia)

Business or sector Manager at Institute of Geodesy, Faculty of Civil Engineering

2002–2012

Assistant Professor

University of Belgrade, Faculty of Civil Engineering, Department of Geodesy and Geoinformatics, Belgrade (Serbia)

2012–2017

Associate Professor

University of Belgrade, Faculty of Civil Engineering, Department of Geodesy and Geoinformatics, Belgrade (Serbia)

2017–present

Associate Professor

University of Novi Sad, Faculty of Civil Engineering Subotica, Department of Geodesy, Subotica (Serbia)

2009–2015

A honorary professor

The University of Banja Luka, Faculty of Architecture and Civil Engineering, Banja Luka (Bosnia and Herzegovina)

EDUCATION AND TRAINING

1993

MSc in Geodesy

Faculty of Civil Engineering, Department of Geodesy, Belgrade (Serbia)

EQF level 7

2001

PhD in Geodesy

Faculty of Civil Engineering, Department of Geodesy, Belgrade (Serbia)

EQF level 8

PERSONAL SKILLS

Mother tongue(s) Serbian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Job-related skills

National projects:

Project of Yugoslav Reference GPS Network, Federal Ministry of Economics, September 1997 to June 1998, Faculty of Civil Engineering, Belgrade

Inclusion of High Accuracy Leveling Network of FRY into UELN, Federal Ministry of Economics, January 1998 to December 1998, Faculty of Civil Engineering, Belgrad

Multidisciplinary Research on Recent Earth Core Movements Throughout the Territory of Yugoslavia, Federal Committee for Science, Technology and Informatics, January 1999 to December 1999, Faculty of Civil Engineering, Belgrade

Analysis of Possibility of the New Reference Frame Implementation and Application of Advanced Spatial Positioning Technologies in the Real Estate Cadastre of the Republic of Serbia, Financed by the Ministry of Education and Science of the Republic of Serbia, January 2005 to January 2007

Research the optimal model of data integration of state survey and a new Reference system of the Republic Serbia, Financed by the Ministry of Education and Science of the Republic of Serbia, 2008-2010

Application of GNSS and lidar technology in monitoring the stability of infrastructural facilities and grounds, Financed by the Ministry of Education and Science of the Republic of Serbia, 2011-present

Selected recent publications:

Ogrizović, V., Vasilić, Delčev, S., Gučević, J.: Optimization of the measuring procedure for distance reduction within the realization of geodetic frames. In: Intergeo east, Belgrade 2006. Belgrade, Serbia. 2006.

Gučević, J., Vasilić, V., Ogrizović, V., Delčev, S.: Upotreba daljinomera Mekometar ME5000 u okviru održavanja etalona. Geodetska služba 104, No. 104, pp. 5–10, 2006.

Delčev, S., Ogrizović, V., Vasilić, V., Brajović, Lj., Gučević, J.: Određivanje stabilnosti oscilatora GPS prijemnika. In: Kongres metrologa 2007. Zlatibor, 2007.

Delčev, S., Vasilić, V., Ogrizović, V., Gučević, J.: Maintaining Length and Angle Standards in the Republic of Serbia within the Geodetic Metrological Laboratory, In: Integrating Generations: FIG Working Week 2008, Stockholm, Sweden 14-19 June 2008.

Ogrizović, V., Delčev, S., Vasilić, V., Gučević, J.: Historical Review of Astro-Geodetic Observations in Serbia, Proceedings of the Meeting Studying Nature through Centuries - 120th Anniversary of Belgrade Observatory, vol. br. 85, pp. 181-185, 2008.

Ogrizović, V., Vasilić, V., Delčev, S., Gučević, J.: National traceability of gps measurements in the Republic of Serbia, 1st International Symposium RMO 2008 - Regional Metrology Organizations Metrology, Testing, and Accreditation – Breaking the Trading Barriers Dubrovnik - Cavtat, Croatia, November 12 – 15, 2008

Ogrizović, V., Vasilić, V., Delčev, S., Gučević, J.: Testing the Stability of GPS Oscillators Within Serbian Permanent GPS Stations Network, XIX IMEKO World Congress: Fundamental and Applied Metrology, Proceedings pp. 522-526, 2009

Delčev, S., Ogrizović, V., Vasilić, V., Gučević, J.: Accuracy Testing of RTK Service of the Permanent Station Network in the Republic of Serbia, Surveyors Key Role in Accelerated Development, FIG Working Week 2009, Eilat, Israel, 3-8 May 2009

Ogrizović, V.: A Construction of an Advanced Measuring System for Astro-geodetic Determinations,

Publications of the Astronomical Observatory of Belgrade Series Vol. 86 pp: 145-150 2009.

Gučević, J., Ogrizović, V., Delčev, S., Vasilić, V.: Optimum Resolution and Size of DTM during Modelling Topographic Effect, *Geodetski list* Vol. 64 Issue: 3 pp: 177-192, 2010.

Gučević, J., Delčev, S., Ogrizović, V.: Determining Temperature Dependence of Collimation Error of Digital Level Leica DNA 03, *FIG Working Week 2011 - Bridging the Gap between Cultures, Marakech, Morocco*, 2011.

S. Delčev, M. Pejić, J. Gučević, V. Ogrizović (2011): A procedure for accuracy investigation of terrestrial laser scanner, 10th IMEKO Symposium LMPMI (Laser Metrology for Precision Measurement and Inspection in Industry), Braunschweig, Germany, September 12-14, ISBN: 978-3-18-092156-3, pp. 273-280.

S. Delčev, V. Ogrizović, J. Gučević (2011): Combined geodetic networks in deformation detection, *INGEO 2011 – 5th International Conference on Engineering Surveying*, Brijuni, Croatia, September 22-24, pp. 177-184, ISBN: 978-953-6082-15-5.

Ž. Nestorović, Z. Gospavić, B. Božić, S. Delčev (2011): Geodetic networks of special purposes in hydropower industry, *INGEO 2011 – 5th International Conference on Engineering Surveying*, Brijuni, Croatia, September 22-24, pp. 135-142, ISBN: 978-953-6082-15-5.

Ogrizović V., Gučević J., Delčev S. (2011): Ambient temperature changes and the impact to time measurement error, *XVI National Conference of Astronomers of Serbia*, in Belgrade, from October 10 to 12.

S. Delčev, V. Ogrizović, J. Gučević (2012): Geodetic method of the fuel tank shape inspection, *Measurement*, Vol. 45, No. 10, pp. 2376–2381, ISSN: 0263-2241.

Jelena Gučević, Vukan Ogrizović, Olivera Vasović, Siniša Delčev (2012): Staking-out projected boundaries of natural property Vršac mountains using the RTK GPS/GLONASS method, *Glasnik Srpskog geografskog društva*, sveska XCII-br. 4, UDC: 528.8(497.113)(23), DOI: 10.2298/GSGD1204099K, str.79-98.

Gučević, J., Delčev, S., Ogrizović, V., Pejić, M., Mišković, Z. (2012): Determination of a bridge movement, In: 10th International Scientific Conference: Coordinate Measuring technique, 23rd - 25th April, Bielsko-Biala - Ustroń, Poland, CD.

Siniša Delčev, Vukan Ogrizović and Jelena Gučević (2012): Historical review of measurements using invar wires in Serbia, *FIG Working Week 2012, Knowing to manage the territory, protect the environment, evaluate the cultural heritage*, Rome, Italy, 6-10 May, ISBN 97887-90907-98-3.

Ogrizović, V., Marendić, J., Renovica, S., Delčev, S., Gučević, J. (2012): Geodetic class GPS receiver as a standard for time-critical applications, *XX IMEKO World Congress*, 9-14. September, Busan, Republic of Korea, ISBN:978-89-950000-5-2-95400, pp. 1-5.

Gučević, J., Delčev, S., Ogrizović, V. (2012): Importance of permanent education in the field of geodetic metrology, *Proceedings of the National Scientific Conference GEO2012*, University of Belgrade - Faculty of Civil Engineering, 26-27. October, Belgrade, ISBN: 978-86-7518-154-5, pp. 199-207.

Vukan Ogrizović, Jelena Gučević, Siniša Delčev (2013): Influence of GPS measurements quality to NTP time-keeping, 19th Symposium IMEKO TC 4 Symposium and 17th IWADC Workshop, 18-19 July, Barcelona, Spain, ISBN-13: 978-84-616-5438-3, pp. 208-212.

Ogrizović V., Marendić J., Renovica S., Delčev S., Gučević J. (2013): Testing GPS generated 1pps against a rubidium standard, *ACTA IMEKO*, Vol 2, No 1, p. 7-11.

Siniša Delčev, Jelena Gučević, Vukan Ogrizović (2013): Necessity of involvement of calibration laboratories in pt schemes, 11th International Symposium on Measurement and Quality Control 2013, September 11-13, 2013, Cracow-Kielce, Poland, pages 4.

Gučević J., Delčev S, Ogrizović V., *Inter-Laboratory Comparisons with the Calibration of Geodetic Instruments*, 16th International Congress of Metrology, Paris, France, October 7-10, 2013, published by EDP Sciences, (2013)

Gučević, J., Delčev, S., Ogrizović, V., Pejić, M., Popović, J., Pejović, M., *Geodetic works during the estimation of the vertical displacement of a bridge under a load test/ 6th International Conference on Engineering Surveying*, April 3-4, 2014, Prague, Czech republic (2014)

Siniša Delčev, Jelena Gučević, Vukan Ogrizović /*A priori Accuracy Estimation of Terrestrial Laser Scanners*, XIth International Scientific Conference COORDINATE MEASURING TECHNIQUE, University of Bielsko-Biala, Laboratory of Metrology, IMEKO International Measurement Confederation (TC14 – Measurement of Geometrical Quantities), 2nd – 4th April, 2014

Delčev S., Gučević J., Ogrizović V., Kuhar M.: First-order trigonometric network in the former

Yugoslavia / Acta Geodaetica et Geophysica (2014), ISSN 2213-5812, DOI 10.1007/s40328-014-0093-1.

Participation of accredited laboratories in Proficiency Testing Schemes and Interlaboratory Comparisons/ Delčev S., Gučević J., Ogrizović V./ Key Engineering Materials (2014), Volume 637, p.13-20, ISSN print 1013-9826 ISSN cd 1662-9809 ISSN web 1662-9795, Trans Tech Publications Ltd.

Origin of the D48 coordinate system / Siniša Delčev, Gábor Timár, Miran Kuhar/Geodetski vestnik, Vol. 57, No. 1, str. 681-694,UDK: 528.3/418/21(497.4), ISSN 0351-0271.

A flatbed scanner as a platform for calibrating line scales /Vukan Ogrizović, Stefan Miljković, Siniša Delčev, Jelena Gučević (2015), XXI IMEKO World Congress "Measurement in Research and Industry", August 30 September 4, 2015, Prague, Czech Republic.

Effects of low temperatures in the line of sight of digital levels /Jelena Gučević; Stefan Miljković; Siniša Delčev; and Vukan Ogrizović (2016), Journal of Surveying Engineering, Volume 143 Issue 2, May 2017, pp. 7, DOI: 10.1061/(ASCE)SU.1943-5428.0000210.

Testing of Homogeneity of Coordinates of Various Permanent GNSS Reference Stations Networks of the Republic of Serbia According to the Common Requirements for Proving Competence /Jelena Gučević, Olivera Vasović Šimšić, Siniša Delčev and Miroslav Kuburić (2022), MDPI Sensors 2022, 22, 7867. <https://doi.org/10.3390/s22207867>.

Impact of Vial Bubble on the Accuracy of Positions in the GNSS-RTK Mode /Jelena GUČEVIĆ, Siniša DELČEV, Miroslav KUBURIĆ, Milan TRIFKOVIĆ, Vukan OGRIZOVIĆ (2022), Tehnički vjesnik/Technical Gazette.

Case study of the accuracy calculations of corrections in different height systems /Delcev Sinisa T Gucevic Jelena P Mijic Nikolina Vasovic Olivera (2022), ACTA GEODAETICA ET GEOPHYSICA, 57, pages 335–350, <https://doi.org/10.1007/s40328-022-00380-w>,

Determination of Aiming Error with Automatic Theodolites /Stefan Miljković, Vukan Ogrizović, Siniša Delčev and Jelena Gučević (2019), Springer Nature Switzerland AG 2019, S. Avdaković (Ed.): Advanced Technologies, Systems, and Applications III, Proceedings of the International Symposium on Innovative and Interdisciplinary Applications of Advanced Technologies (IAT), Volume 2, pp. 273-284, DOI: https://doi.org/10.1007/978-3-030-02577-9_27.