

## PERSONAL INFORMATION

## Zvonko Tomanović



 Đoka Mirševića 20, 81000 Podgorica, Montenegro



 [zvonko@ac.me](mailto:zvonko@ac.me)

Sex male | Date of birth 25 May 1965

## WORK EXPERIENCE

2015 - present

**Professor**

University of Montenegro (UoM) [[www.ucg.ac.me](http://www.ucg.ac.me)]  
Faculty of Civil Engineering (FCE) [[www.gf.ac.me](http://www.gf.ac.me)]  
Podgorica, Montenegro

- Professor in courses from the domain of geotechnics (Tunnels and tunnelling, Soil and rock mechanics, Foundation engineering)

2009 - 2015

**Associate Professor**

University of Montenegro (UoM) [[www.ucg.ac.me](http://www.ucg.ac.me)]  
Faculty of Civil Engineering (FCE) [[www.gf.ac.me](http://www.gf.ac.me)]  
Podgorica, Montenegro

- Associate Professor in courses from the domain of geotechnics (Tunnels and tunnelling, Soil and rock mechanics, Foundation engineering)

2004 - 2009

**Assistant Professor**

University of Montenegro (UoM) [[www.ucg.ac.me](http://www.ucg.ac.me)]  
Faculty of Civil Engineering (FCE) [[www.gf.ac.me](http://www.gf.ac.me)]  
Podgorica, Montenegro

- Assistant Professor in courses from the domain of geotechnics.

1996 - 2004

**Assistant Lecturer**

University of Montenegro (UoM) [[www.ucg.ac.me](http://www.ucg.ac.me)]  
Faculty of Civil Engineering (FCE) [[www.gf.ac.me](http://www.gf.ac.me)]  
Podgorica, Montenegro

- Assistant Lecturer in courses from the domain of geotechnics.

1992 - 1996

**Teaching Assistant**

University of Montenegro (UoM) [[www.ucg.ac.me](http://www.ucg.ac.me)]  
Faculty of Civil Engineering (FCE) [[www.gf.ac.me](http://www.gf.ac.me)]  
Podgorica, Montenegro

- Teaching Assistant in courses from the domain of: geotechnics.

**EDUCATION AND TRAINING**  
 1999 - 2004

**PhD (Dr – Doctor of technical science)**

EQF level 8

 Faculty of Civil Engineering, University of Montenegro (Montenegro)  
 & Faculty of Civil Engineering

- Specialisation: Rock mechanics and tunnels and tunneling
- PhD Thesis: Time dependent rock Deformations around the tunnel opening  
(extensive experimental and theoretical research, including FEM modelling)

1996 - 2003

**MSc (Mr – Magistar - Master of technical science)**

EQF level 7

Faculty of Civil Engineering, University of Belgrade (Serbia)

- Specialisation: Geotechnics
- Structure: 9 courses/exams (4 semesters) + MSc Thesis
- MSc Thesis: Interaction Analysis supporting structure of vertical shaft and the rock mass  
(theoretical research, including FEM modelling)

1991 - 1996

**BSc (Dipl.Ing)**

EQF level 6

Faculty of Civil Engineering, University of Montenegro (Montenegro)

- Specialisation: Structures
- Structure: 34 courses/exams (8 semesters) + Final/Diploma project (1 semester)

**PERSONAL SKILLS**
**Mother tongue(s)** Montenegrin / Serbo-Croatian

**Other language(s)**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	B1	B1	B1

 Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
 Common European Framework of Reference for Languages

**Communication skills**

- Good communication skills gained through teaching experience, through participation in numerous conferences (national and international), as well as through participation in university exchange programmes that enabled me to live for a few months in different countries, in different national, cultural and religious surroundings.

**Computer skills**

- excellent command of Microsoft Office™ tools
- good command of AutoCAD™, structural design software like SAP 2000™, Rad Impex™ and geotechnical design software like Flac, Phase2, and so on.

## ADDITIONAL INFORMATION

## Key publications in journals

- **Tomanović Z.** (2006,) "Rheological model of soft rock creep based on the tests on marl", Int. Journal, Mechanics of Time-Dependent Materials, ISSN 1395-2000, Springer, pp. 135-154.
- **Tomanović Z.** (2009) „Influence of Ko on creep properties of marl, Int. Journal, Acta Geotechnica Slovenica, ISSN 1854-0171.
- **Tomanović Z.** (2011) „Testing of allowable bearing capacity of vertical piles under lateral static load on the docks of the mega-yacht marina Porto Montenegro Tivat, Montenegro“, Materijali i konstrukcije – Materials and Stucture, , 3, pp. 65-81, YU-ISSN 0543-0798.
- **Tomanović Z.** (2012) „The stress and time dependent behaviour of soft rock", Građevinar- Civil Engineer, 12, pp. 993-1007, ISSN 0350-2465.
- S. Živaljević & **Tomanović Z.**, (2014) „Experimental research of the effects of pre-consolidation on the time-dependent deformations – creep of marl", Mechanics of Time Dependent materials, ISSN: 1385-2000 Volume 19, Number 1, p43-59., ISSN: 1385-2000(Print) 1573-2738 (electronic)
- **Tomanović Z.** (2014) „Testing of creep phenomena on soft rock", Materijali i konstrukcije – Materials and Stucture, 3, pp. 21-42, YU-ISSN 0543-0798.
- **Tomanović Z.** B. Miladinovic, S Zivaljevic (2015) „Criteria for defining the required duration of the creep test ", Canadian Geotechnical Journal, ISSN 0008-3674. Volume 52, Number 7, pp 883-889, ISSN 0008-3674 (print), ISSN 1208-6010
- **Tomanović Z.** (2015) „Methods for predicting impact of ground vibrations induced by pile driving on the old masonry wall buildings and their monitoring", Scientific Journal of Civil Engineering, ISSN 1857-839X
- Kozubal J, **Tomanović Z.**, Zivaljevic S. (2016) "*The soft rock socketed monopile with creep effects – a reliability approach based on wavelet neural networks*", Archives of Mining Sciences, Volume 61 (3), p 571-585, ISSN 0860-7001

Engineering projects  
(key professional experience)

*Design:*

*"Preliminary Design of highway tunnels Smokovac-Matesevo, Montenegro: 16th tunnels, total length 26km (Faculty of Civil Engineering Podgorica, 2007); leading and main designer*

*"Main Design of road tunnels: "Kljuc" 300m, "Klisura" 2800m, "Mekavac" 200m, "Brajici" 200m, Montenegro (GeoT doo Podgorica, 2007-2017); leading and main designer for structure*

*"Main Design of structure of mega-yacht marina Porto Montenegro Tivat, Montenegro (GeoT doo Podgorica, 2011); main designer for structure (with M. Ulicevic)*

*"Main Design of structure of marina Lustica bay Tivat, Montenegro (GeoT doo Podgorica, 2011); main designer for structure*

*"Main Design of rehabilitation landslide "Markovici", Budva, Montenegro (GeoT doo Podgorica, 2011); main designer*

*Technical reviews:*

*Technical Review of Main Design of "Sozina" road tunnel 4.2km, Podgorica, Montenegro (Faculty of Civil Engineering in Podgorica, 1997); reviewer for geotechnics and structure*

*Technical Review of Main Design "Brdjani" tunnel, (cca 450m), "Sarani" tunnel, (cca 885m) and "Savinac" tunnel, (cca 265m), two tubes tunnel on the motorway E-763 Beograd-Požega, sektor II: Ljig –Požega, review, (Geoput doo Beograd), 2011*

*Technical Review of Main Design of 16th tunnels (13.6km two tubes tunnel, the longest cca 3.0km) on section Smokovac - Uvac, Bar-Boljare Highway, Montenegro; reviewer for geotechnics and structure, State panel for main design review, 2015 to now*

*Technical Review of the earth dam "Maljevac" (100m high) within the ash landfill of the Thermal Power Plant Pljevlja, Montenegro, 2008*

*Technical Review of the stability of earth dam "red mud" (30m high) within the red mud landfill of the Aluminium factory Podgorica, Montenegro, 2011*

*Advisor and consultant for tunnels ("Tirra" tunnel 2x5.5km) and geotechnical engineering for "Kalimasi" motorway project, length approximately 60km, Directorate for road, Albania, 2007-2010*

*Advisor and consultant for tunnels and geotechnical engineering for "Corridor 10" and "Corridors of Serbia" motorway project, length approximately 200km, Serbia, 2010-2013*