



Ivan Balić

Date of birth: 08/01/1983 | **Nationality:** Croatian | **Gender:** Male | **Phone number:**

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<https://gradst.unist.hr/o-fakultetu/adresar-imenik/agenttype/view/propertyid/1809> |

Address: Matice hrvatske 15, 21000, Split, Croatia (Work)

WORK EXPERIENCE

01/10/2023 – CURRENT Split, Croatia

VICE-DEAN FOR CIVIL ENGINEERING STUDIES UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

01/05/2023 – 01/10/2023 Split, Croatia

ACTING VICE-DEAN FOR CIVIL ENGINEERING STUDIES UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

02/03/2022 – CURRENT Split, Croatia

ASSOCIATE PROFESSOR UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

Head of the laboratory of the Faculty of Civil Engineering, Architecture and Geodesy, University of Split (02/03/2022 - 01/10/2023)

Teacher in the courses: Mechanics I, Building Statics I, Building Statics II, The Legislation Fundamentals in Construction (University Undergraduate Study of Civil Engineering); Design of Structures by Computer (University Graduate Study of Civil Engineering); Designing and Analysing Structures by Computer, Building Regulations, Masonry Structures, Execution of Building Works (Professional Undergraduate Study of Civil Engineering)

08/12/2016 – 02/03/2022 Split, Croatia

ASSISTANT PROFESSOR UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

Head of the Quality improvement committee of the Faculty of Civil Engineering, Architecture and Geodesy, University of Split (03/11/2021 - 24/10/2023)

01/08/2013 – 08/12/2016 Split, Croatia

SENIOR ASSISTANT UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

17/03/2010 – CURRENT Split, Croatia

STRUCTURAL ENGINEER UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

Designer of Conceptual, Main and Execution projects in the field of reinforced concrete, masonry, steel, wooden structures, and bearing structures of buildings of immovable cultural property.

01/12/2007 – 01/08/2013 Split, Croatia

TEACHING ASSISTANT - DOCTORAL STUDENT UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

12/12/2006 – 01/12/2007 Split, Croatia

PROFESSIONAL ASSOCIATE UNIVERSITY OF SPLIT, FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY

EDUCATION AND TRAINING

10/07/2013 Split, Croatia

PH.D.SC IN THE FIELD OF TECHNICAL SCIENCES, FIELD OF CIVIL ENGINEERING, BRANCH OF LOAD-BEARING CONSTRUCTIONS University of Split, Faculty of Civil Engineering, Architecture and Geodesy

LANGUAGE SKILLSMother tongue(s): **CROATIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

MS Office (Word, Excel, PowerPoint) | AutoCad (Computer Aided Design Software) | AutoCAD Structural Detailing | SCIA Engineer | CorelDRAW

ORGANISATIONAL SKILLS

Member of the Organizing committee of the International conference 3CroCEE-2025

Member of the Organizing committee of the Science Festival 2024 at Faculty of Civil Engineering, Architecture and Geodesy, University of Split, topic: Intelligence

Member of the Organizing committee at the 6th Meeting COMMON FOUNDATIONS 2018 – uniSTem

NETWORKS AND MEMBERSHIPS

2010 – CURRENT

Member of the Croatian Chamber of Civil Engineers

Active member of the Croatian Chamber of Civil Engineers - authorized designer. Exam for the performance of a regulated profession in Civil Engineering completed 21/04/2009.

2023 – CURRENT

Member of the Croatian Center for Earthquake Engineering - Intervention Service, Split

2013 – CURRENT

Member of the Croatian Society of Mechanics (CSM)

2010 – CURRENT

Member of the Association of Civil Engineers of Split**PROJECTS**

2023 – CURRENT

Numerical modeling in the civil engineering

Collaborator on the project of the Faculty of Civil Engineering, Architecture and Geodesy, University of Split

2018 – CURRENT

From implementation of contemporary scientific and research infrastructure at FCEAG to smart specialisation in green and energy efficient building, (KK.01.1.1.02.0027)

Member of the research team. The project is co-financed from the State Budget of the Republic of Croatia and by the EU from the European Fund for Regional Development Project within the operational program "Competitiveness and Cohesion".

2019 – 2022

Development and Application of Advanced Construction Materials for Building Healthy Houses: Protection from Nonionizing Radiation - Z2Grade, (KK.01.1.1.04.0105)

Collaborator on a scientific project of the European Fund for Regional Development

2015 – 2019

Development of numerical models for reinforced-concrete and stone masonry structures under seismic loading based on discrete cracks, (HRZZ-IP-2014-09-2319)

Collaborator on the scientific project of the Croatian Science Foundation

2007 – 2013

Modelling of the bearing capacity and stability of the structures under large displacement, (083-0831541-1545)

Collaborator on a scientific project of the Ministry of Science and Education of the Republic of Croatia

● **SCIENTIFIC PAPERS PUBLISHED IN JOURNALS IN THE LAST 5 YEARS**

Živaljić, N.; Balić, I.; Smoljanović, H.; Munjiza, A.: „Seismic analysis of historical masonry towers with different support conditions”, *International journal of architectural heritage*, (2023), DOI: 10.1080/15583058.2023.2235310

Smoljanović, H.; Balić, I.; Munjiza, A.; Hristovski, V.: „Rotation-Free Based Numerical Model for Nonlinear Analysis of Thin Shells”, *Buildings*, (2021), DOI: 10.3390/buildings11120657

Balić, I.; Smoljanović, H.; Trogrlić, B.; Munjiza, A.: „Seismic analysis of the bell tower of the Church of St. Francis of Assisi on Kaptol in Zagreb by combined finite-discrete element method”, *Buildings*, (2021), DOI: 10.3390/buildings11080373

Smoljanović, H.; Balić, I.; Trogrlić, B.; Živaljić, N.; Munjiza, A.: „Finite strain numerical model for the nonlinear analysis of thin shells”, *Engineering structures*, (2021), DOI: 10.1016/j.engstruct.2021.111964

Smoljanović, H.; Balić, I.; Munjiza, A.; Akmadžić, V.; Trogrlić, B.: „Analysis of dynamic stability of beam structures”, *Acta Mechanica*, (2020), DOI: 10.1007/s00707-020-02793-6

Munjiza, A.; Smoljanović, H.; Živaljić, N.; et al.: „Structural applications of the combined finite-discrete element method” *Computational particle mechanics*, (2020), DOI: 10.1007/s40571-019-00286-5

● **REVIEWER FOR JOURNALS**

Scientific and professional journals: *Građevinar*, *e-GFOS*, *Engineering Review*, *Structural Engineering and Mechanics*, *Earthquake Engineering and Engineering Vibration*, *International Journal for Engineering Modelling, Applied Sciences*, *Buildings*

● **HONOURS AND AWARDS**

Dean's award for outstanding results and Rector's award for excellence for academic year 2004/2005

Dean's award for outstanding results and Rector's award for excellence for academic year 2003/2004

Dean's award for outstanding results and Rector's award for excellence for academic year 2002/2003

● **DRIVING LICENCE**

Driving Licence: B