

## CURRICULUM VITAE



**NAME:** Igor Gjorgjiev

**SEX:** Male

**DATE AND PLACE OF BIRTH:** April 09, 1975, Skopje, Republic of Macedonia

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**EDUCATION:** Faculty of Civil Engineering, University "St. Cyril and Methodius", Skopje, Republic of Macedonia, Graduated Civil Engineer, Diploma September 1999.

Institute of Earthquake Engineering and Engineering Seismology, University "Ss. Cyril and Methodius", Skopje, Republic of Macedonia, Master of Science in Earthquake Engineering, Diploma June 2004.

"Development Of Analytical Model Of Fiber Reinforced Rubber Bearings Based On Expiremental Results", 2011, Doctor of Science

**PROFESSIONAL ACTIVITIES:** 1999-2000  
Design engineer in construction company "Mavrovo";  
2000-2004  
Research Fellow, Institute of Earthquake Engineering and Engineering Seismology, University "SS. Cyril and Methodius", Skopje  
2004 - 2012  
Research Assistant in Earthquake Engineering, Institute of Earthquake Engineering and Engineering Seismology, University "SS. Cyril and Methodius", Skopje  
2012 - 2016  
Assistant Professor, Institute of Earthquake Engineering and Engineering Seismology, University "SS. Cyril and Methodius", Skopje  
2016 - 2021  
Associate Professor, Institute of Earthquake Engineering and Engineering Seismology, University "SS. Cyril and Methodius", Skopje  
2021 -  
Professor, Institute of Earthquake Engineering and Engineering Seismology, University "SS. Cyril and Methodius", Skopje

- FIELD OF ACTIVITIES:** Analysis of Structures: Linear & Nonlinear Analysis in COSMOS, SAP2000 & ANSYS,  
Analysis and Design of RC and steel structures,  
Design of earthquake-resistant structures,  
Diagnosis of RC and steel structures,  
Earthquake protection of RC and steel structures,  
Base Isolation,  
Experimental and Field Investigations,  
Signal Processing,  
Structural Health Monitoring,  
Operational Modal Analysis,  
Development of constitutive laws in ANSYS,  
Programming languages: C#, C++, VB, Fortran, Matlab
- SOFTWARE DEVELOPMENT:** Detailing of reinforced concrete beams and columns  
Graphical viewer of finite element results  
Finite element analysis of frame structures  
Biaxial design of columns  
Real-time monitoring of structures  
Signal processing and Operational Modal analysis
- MEMBERSHIPS:** Macedonian Association of Earthquake Engineering  
European Association of Earthquake Engineering
- AWARDS:** MASE AWARDS for best achievements in the field of Structural Engineering for 2011, Igor Gjorgjiev, Analytical Model for Rubber Bearings Based on Experimental Results.
- RESEARCH PROJECTS:**
1. NATO SFP-978028 "Development Of Low-Cost Rubber Bearings For Seismic Safety Of Structures In Macedonia And Balkan" (2004-2007)
  2. EC FP7 Project – UREDITEME - "Upgrading of Research Equipment for Dynamic Testing of Large Scale Models" (2009-2012)
  3. EC FP7 Project – SERIES - "Seismic Engineering Research Infrastructures For European Synergies" (2009-2013)
  4. Scientific Project for 2013 financed by University "SS. Cyril and Methodius", Skopje (2014)
  5. Bilateral Macedonian-Chinese Scientific Research Project for 2016-2017 financed by Ministry of Education and Science of Republic of Macedonia, Behavior of Tall Buildings under Seismic and Wind Force, Agreement no. 08-376/1 from 08.03.2016
  6. Seismology and Earthquake Engineering Research Infrastructure Alliance for Europe – SERA, H2020 Project, 2020
  7. Scientific Project for 2019 financed by University "SS. Cyril and Methodius", Skopje, Method for Using of Experimentally Defined Sets of Modal Parameters for the Prediction of the Response of Building Structures under Seismic Excitation and Potential for Damage Detection. Report IZIIS 2020-07, 2020.
  8. CRISIS: Comprehensive RISK assessment of basic services and transport InfraStructure; UCPM-2020-PP-AG; GA-101004830
- JOURNAL PAPERS:**
1. Igor Gjorgjiev, Mihail Garevski, A polynomial analytical model of rubber bearings based on series of tests, Engineering Structures, Volume 56, November 2013, Pages 600-609, ISSN 0141-0296, <http://dx.doi.org/10.1016/j.engstruct.2013.04.006>

2. K.Edip, M.Garevski, C.Butenweg, V.Sesov, J.Cvetanovska and I.Gjorgjiev, "Numerical simulation of Geotechnical Problems by Coupled Finite and Infinite Elements", Journal of Civil Engineering and Architecture, Volume 7, No.2 pp.68-77, Feb.2013.
3. Aleksandra Ivanoska-Dacikj, Gordana Bogoeva-Gaceva, Aleksandra Buzarovska, Igor Gjorgjiev, Luljeta Raka "Preparation And Properties Of Natural Rubber/Organo-Montmorillonite: From Lab Samples To Bulk Material" Macedonian Journal of Chemistry and Chemical Engineering, Vol. 33, No. 2, 2014, ISSN 1857–5552, e-ISSN 1857–5625,

**BOOK CHAPTER:**

1. Igor Gjorgjiev, Mihail Garevski, Monitoring of Rubber Bearing Behavior During Shaking Table Tests, in Earthquakes and Health Monitoring of Civil Structures, Springer, December 11, 2012 | ISBN-10: 9400751818 | ISBN-13: 978-9400751811 | Edition: 2013

**PAPERS CONFERENCE:** He has published more than 70 conference papers

**REPORTS:** He was participation in more than 75 reports for application projects