

Roberta APOSTOLSKA



Professor, Dr. – Research, Teaching and Application in Earthquake Engineering and Engineering Seismology. Professor of Seismic Design of RC, Masonry and Steel Structures at IZIIS. She has over 30 years of experience in seismic design, assessment, retrofitting of RC and masonry structures with more than 70 publications in the field.

Key expertise in: Nonlinear Analysis of Reinforced Concrete Structures; Seismic Design and Seismic Stability of Reinforced Concrete and Masonry Building Structures; Repair and Strengthening of Reinforced Concrete and Masonry Buildings; Damage Evaluation of Reinforced Concrete Buildings Exposed to Strong Earthquakes; Post earthquake Damage/usability classification of buildings; Rapid Visual screening of buildings; Capacity Design Approach for Design of Earthquake Resistant Building Structures; Evaluation of Seismic Resistance of New and Existing RC Buildings; High Strength Concrete and its Application in Seismic Areas; Precast structures; Performance-Based Methodologies in Seismic Engineering; Implementation of European Technical Regulations (Eurocodes) in the field of constructions (providing scientific and technical contribution in the context of the EC JRC support work to DG ENTR for the implementation, harmonization and further development of the Eurocodes (co-author of 5 JRC Science and Policy Reports, 2014-2019); Elaboration of IZIIS post graduate (master and doctoral) study programmes.

Position held: Deputy Director for Science and Education of IZIIS (2017-now); Coordinator of the doctoral programme of IZIIS (2017-now); Coordinator of the Scientific Council of the master study programmes of IZIIS (2017-now); UKIM-IZIIS ERASMUS coordinator (2014-now); Member of the "Ss. Cyril and Methodius" University Senate (2016-2017); Member of ISRSM – Mirror TC250-TC40 Committee on Eurocodes (2019-now); Seconded expert at the European Commission, (2013-2014); Member of the Executive Board of Macedonian Association of Earthquake Engineering - MAEE and national delegate to the European Association of Earthquake Engineering – EAEE (2018-now).

Principal Investigator/Expert/Consultant/Researcher (recent projects):

1. Integrative strengthening of seismic risk awareness – ISRA, Grant agreement 101101255 – ISRA – UCPM-2022-PP (2022-ongoing).
2. “PARFORCE: Partnership for virtual laboratories in civil engineering”, ERASMUS+ Strategic Partnerships 2020 for “Digital Education”, (2021-2023).
3. COMPREHENSIVE RISK ASSESSMENT OF BASIC SERVICES AND TRANSPORT INFRASTRUCTURE – CRISIS, Grant agreement: 101004830 – CRISIS – UCPM-2020-PP-AG, (2020-2022).
4. Learn to Be Resilient (L2BR), Grant Agreement number 101017950 - L2BR - UCPM-2020-KN-AG (2020-2022).

5. World Bank-Integrating Seismic Risk Considerations into Energy Efficiency Investments in the Western Balkans, Activity 1_Baseline Definition, Technical Proposal Selection #1265632, 2020, Researcher and Expert.
6. Seismic resilience and strengthening of precast industrial buildings with concrete claddings - shaking table tests of real scale models, 2017, Slovenian Research Agency (ARRS), Principal Investigator.
7. Expert contract, contract number - CT-EX2012D125987-102, between the following parties: the European Union, represented by the European Commission represented for the purposes of signing this contract by Artur Pinto Vieira, head of unit, JRC/E/04 and Apostolska Roberta, EX2012d12598, 2017.
8. Expert engagement within the Trade, Standards and Private Sector. Europeaid/132633/C/Ser/Multi Request for Services: IPA/TAIB2012/3.7/LOT10/08; Technical assistance for the capacity building of ISRM (Collaboration agreement between ASOCIACIÓN ESPAÑOLA DE NORMALIZACIÓN – UNE and Ms Roberta Apostolska, Num. 2017/09, May-June 2017).

Study stays (most important):

- March 2023 (one week): Master course- Integrated Lectures: Experimental testing based on impact and resistance: wind, fire and earthquake 2022/2023 (PARFORCE Erasmus + project)
- April 2018 (one week) Study stay – international cooperation National University of Mexico – UNAM, Institute of Engineering, Mexico City, Mexico
- Seconded National Expert - EC JRC support work to DG ENTR (2013-2014)
- June 2010 (one month) - Academic exchange – BASILEUS mobility grant University "La Sapienza", Structural Engineering Department, Rome, Italy
- September 2009 (three weeks) - Study stay – international cooperation National University of Mexico – UNAM, Institute of Engineering, Mexico City, Mexico
- May 2009 (one week) Training school – sustainability of structures and structural intervention COST Actions C25&26, Thessaloniki, Greece
- January 2003 (three weeks) Third country training program on earthquake engineering Istanbul Technical University & Japan International Cooperation Agency- JICA, Istanbul, Turkey
- September 2001 – November 2001 Study stay Ruhr University, Department of Reinforced and Prestressed Concrete, Bochum, Germany