

## MEMORIU ȘTIINȚIFIC

Subsemnatul arh. Dragoș Petru BOCAN, student doctorand în cadrul IOSUD-UPT cu numărul matricol 2720 din 2017, în domeniul de studii universitare de doctorat Inginerie civilă și Instalații, la conducătorul de doctorat prof.univ.dr.ing. Adrian Liviu CIUTINA, autor al tezei de doctorat cu titlul "Consolidarea clădirilor istorice din zidărie cu materiale compozite armate cu țesături" / "Structural Strengthening of Historic Masonry Buildings Using Mesh Reinforced Composite Materials", declar următoarele activități realizate în cadrul stagiului doctoral (se vor păstra doar activitățile realizate):

### A. Lista de lucrări științifice

1. D. Bocan, C. Bocan, A. Keller, A. Gruin, „Analysis of thermal rehabilitation and seismic strengthening solutions suitable for heritage structures”, Sustainability, vol. 16, no. 13, 2024. (WOS:001269917400001).
2. D. Bocan, A. Keller, C. Bocan, I. Apostol, M. Mosoarca, „Potential Results of Using Current Thermal Rehabilitation Techniques on a City Block of Timisoara and their Structural Strengthening Opportunities”, IOP Conference Series: Materials Science and Engineering, vol. 471, 2019 (WOS:000465811802088).
3. D. Bocan, C. Bocan, A. Keller, „Energy efficiency study applied on a monumental building”, in Structures and Architecture-Bridging the Gap and Crossing Borders: Proc. of the Fourth International Conference on Structures and Architecture (ICSA 2019), Lisbon, Portugal, July 2019, pp. 288-295, 2019 (WOS:000670758600035)
4. D. Bocan, A. Keller, I. Apostol, M. Mosoarca, R. Bradeanu, „The impact of insulating plaster on the energy performance of historical buildings”, Modern Technologies For The 3rd Millennium, pp. 179-184, 2018 (WOS:000491484600031).
5. I. Apostol, M. Mosoarca, N. Chieffo, A. Keller, D. Bocan, C. Bocan, R. Bradeanu, „Solutions for improving seismic vulnerability of historic masonry buildings”, Modern Technologies For The 3rd Millennium, pp. 131-136, 2018 (WOS:000491484600023).
6. C. Bocan, D. Bocan, M.H. Truță, „The Rehabilitation and Extension of the Old Arad's Casino – Case Study”, RILEM Bookseries, vol 47, pp. 449–462, 2024 (Scopus)
7. D. Bocan, A. Keller, M. Moșoarcă, C. Bocan, „Experimental Investigation of One-Sided Strengthening Interventions on Historic Brick Masonry Walls”, RILEM Bookseries, vol 47, pp. 485–495, 2024 (Scopus)
8. D. Bocan, C. Bocan, A. Keller, „Possibilities of Using Fiber Reinforced Mortar and Textile Reinforced Mortar for Strengthening Masonry Columns in Rehabilitation Projects”, RILEM Bookseries, vol 18, pp. 1651-1660, 2019 (Scopus)

### B. Cărți și manuale

1. -

### C. Participări la conferințe/workshop-uri

1. 3rd World Multidisciplinary Civil Engineering, Architecture, Urban Planning Symposium (WMCAUS 2018), Praga, Cehia, 17–21 iunie 2018
2. 11th International Conference on Structural Analysis of Historical Constructions - SAHC 2018, Cusco, Perú, 11-13 septembrie 2018
3. International Conference on Heritage and Sustainable Innovation (CoHeSION 2018), Timisoara, Romania, 17 noiembrie 2018
4. 4th International Conference on Structures and Architecture (ICSA 2019), Lisabona, Portugalia, 24-26 iulie, 2019
5. International Conference on Heritage and Sustainable Innovation (CoHeSION 2021), Timisoara, Romania, 11 decembrie, 2021

#### **D. Brevete**

#### **E. Proiecte**

#### **F. Stagii de cercetare/perfecționare**

1. Mobilitate de formare Erasmus - Reykjavik University, 06.02.2023 – 12.04.2023

#### **G. Cursuri de perfecționare**

#### **H. Alte activități**

**Student-doctorand**

*arh. Dragoș-Petru BOCAN*