

WP 14: Multilateral cooperation within TA7 at IZIS

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Keywords

Earthquake engineering, shake table testing, floor-wall-interaction, self-centring system, polyurethanes

Figure



Figure 1. Collaboration, strong relations, sharing experience, and knowledge were the focus points of TA7

Main Results

Transnational access under the scope of the SERA project offered a combined and integrated collaboration between IZIS and other respectable institutions from six different countries: Slovenia, Ireland, England, Greece, Turkey, and Poland. Directly involved in three different projects were the following user groups:

- Faculty of Civil and Geodetic Engineering, University of Ljubljana, Ljubljana, Slovenia
- Faculty of Civil and Geodetic Engineering, Department of Civil Engineering, University of California, Los Angeles
- Department of Civil Engineering, Democritus University of Thrace, Greece
- Istanbul Technical University, Turkey
- Cracow University of Technology (CUT), Poland
- G. D'Annunzio University of Chieti – Pescara, Italy
- Slovenian National Building and Civil Engineering Institute (ZAG), Ljubljana, Slovenia
- University of Nottingham, University Park Nottingham, UK



- Alma Mater Studiorum-Universita' di Bologna, Italy
- SIKA Poland Cracow, Poland
- KEBE SA, Head Offices-Factory Nea Santa, Kilkis, Greece
- FlexAndRobust Systems Ltd, Cracow, Poland
- National University of Ireland, Galway, Ireland
- Imperial College London, UK
- School of Engineering, Trinity College, Dublin, Ireland

It is important to note that very fruitful and close cooperation was established through exchange of knowledge and experience among the institutions and industrial companies involved in the research projects. Two PhD students from IZIIS worked in partnership for their doctoral thesis using the results from the experimental testing of the models. Outcomes will be publicized through publication in international scientific and engineering journals with an excellent track record by the primary means of ensuring that the project results will reach an audience as wide as possible in a durable way. Additionally, presence at the upcoming conferences is confirmed among the participants.

All these activities will ensure the availability of a key resource for upcoming researchers that can continue the research projects using the available sources as a base in the future work.

List of Publications

- Experimental Testing of a Novel Self-Centring Steel Braced Frame on the Shake Table in DYNLAB-IZIIS, Skopje, Republic of N. Macedonia, 17WCEE, (upcoming).
- Large Scale Shake Table Test of Slab-to-Piers Interaction in RC Coupled Walls, 17WCEE, (upcoming).
- Shake Table Testing of Self-Centring Concentrically Braced Frames, Eurosteel 2020 (upcoming).
- Flexible Joints Between RC Frames and Masonry Infill for Improved Seismic Performances – Experimental Tests on Shake Table, IB2MaC 2020 (upcoming)

Access to Data and Services

All data including results, pictures and other information will be available on Data Access Portal.

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