REPORT

Dr. Sugandha Singh attends 26th International Conference on Structural Mechanics in Reactor Technology (SMiRT–26), Potsdam, Germany

The International Association of Structural Mechanics in Reactor Technology (IASMiRT) in collaboration with The German Society for Non–Destructive Testing (DGZfP) organized the 26th International Conference on Structural Mechanics in Reactor Technology (SMiRT26) from July 10, 2022 to July 15, 2022. The conference was attended in – person by Dr. Sugandha Singh, Assistant Professor (Senior Grade), Department of Civil Engineering, Jaypee University of Information Technology, where she attended various informative sessions related to Assessment of Nuclear Power Plant Structure, Systems, and Components, subjected to various types of loading specifically the Impact loading which has been main focus of research in Germany since World War II.

Paper Presentation (July 14, 2022)

During the conference, Dr. Sugandha Singh presented her paper titled "Coupled Nonlinear Analysis for Evaluation of Seismic Demands on Electrical Equipment Subjected to High–Frequency Ground Motions." A few photos taken during the presentation are shown below.
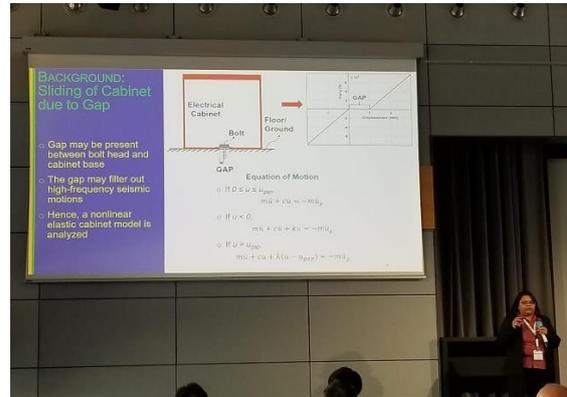
Photo: Dr. Sugandha Singh presenting her Research Work at SMiRT 26

Technical Tour to Otto Mohr's Laboratory (July 13, 2022)

During the conference, Dr. Sugandha Singh also visited the Otto Mohr Laboratory facility at the Technical University, Dresden, arranged by the conference organizers. The facility is very well equipped with innovative experimental setups focussing on various types static and dynamic tests on civil engineering specimens. A few photos from the tour are shown below.

Photo: Otto Mohr Laboratory at Technical University, Dresden
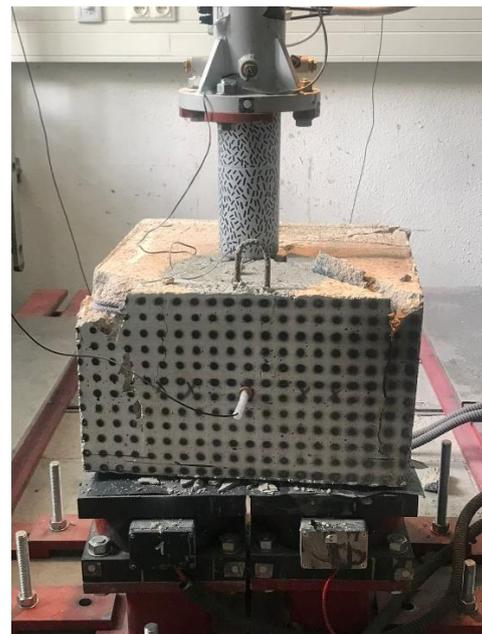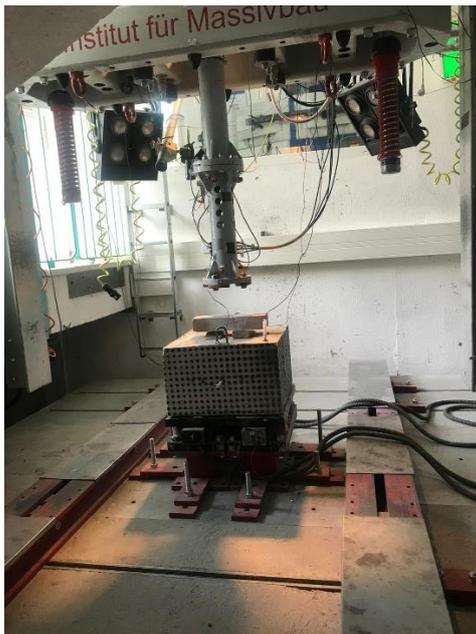
Photo: Drop Test Setup. Pictures of the Setup taken Before and After the Live Test Demonstration
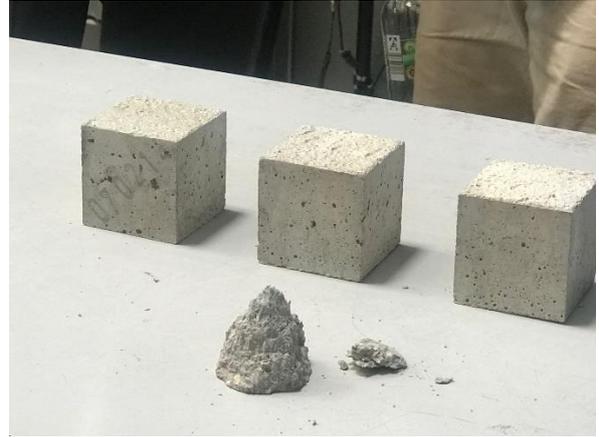
Photo: Experimental Setup for Biaxial Testing of Concrete Blocks

Photo: Experimental Setup for Triaxial Testing of Specimens

Photo: Observing Behaviour of Reinforcement Bar using Optic Fibers