

Earthquake Disaster Mitigation Research Division, Hyogo

On 7th Nov 2019, our center and IITH inked the MoU with an aim to develop a numerical tool of the global standard for seismic performance assessment of the building and civil structures.

Development of a non-local damage model for concrete has been taken up for joint-research to kick-start the collaboration with Prof. Amritham Rajagopal of CE dept. This project continues to be technically challenging due to the nonlinear behavior of concrete and requires validation with experimental data, but I believe that outcomes will be available soon.

The collaboration is being led by Researcher Dr. Mahendra Kumar Pal, who is an expert on concrete modeling and is well poised to take it further because of his understanding of work culture in India and in Japan and obviously of being an IITH graduate. Last year, internship for IITH students and visits of researchers could not be carried amid the COVID-19 pandemic.

However, I believe that on-going efforts will take this collaboration to a new horizon. I sincerely thank Director Prof. B.S. Murty, Prof Amritham Rajagopal of IIT Hyderabad and Ms. Chikako Hiura of the JICA friendship project for their continuous support and kindness. I hope for the success of this collaboration.



*Dr. Koichi Kajiwara,
Center Director, Earthquake Disaster
Mitigation Research Division
National Research Institute for Earth
Science and Disaster Resilience (NIED),
Mitsuda, Shijimicho, Miki Shi, Hyogo, Japan*