Prof. Dr. Kaori Fujita

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Structural performance of traditional timber structures in Japan against seismic load

The majority of cultural heritage in Japan is of timber post and beam construction. These traditional timber architecture in Japan are forced to face severe natural hazards such as earthquake and typhoon. Some examples of damage by past earthquake are introduced together with the horizontal load resisting system. One example of horizontal load resisting element is selected and the research to reveal the structural performance based on literature survey, structural experiments and analysis are introduced.

CV

Graduated from the Department of Architecture, the University of Tokyo on March, 1993. Graduated from Doctorate course of the Deparmnet of Architecture, Graduate school of Engineering, the University of Tokyo on March, 1999 and received Doctor of Engineering.
Doctorate thesis entitled “Research on Horizontal Load Resisting Elements of Traditional Timber Structures based on Structural Experiments”.
Worked as a researcher at Tokyo Institute of Technology, Research Insitute for Apllied Ceramics, from May 1999. Moved to Tokyo Metropolitan University as an assistant researcher from October, 1999. Worked as Assistant Professor (afterwards Associate Professor) of the Department of Architecture Tokyo Metropolitan Unversity from October, 2000. Moved to Department of Architecture, Graduate School of Engineering the University of Tokyo as Associate Professor from March, 2007. Professor since March 2019, as of today.
Her main academic interest is in the structural performance of traditional timber structurres in Japan especially against seismic load.

Awards
Received AIJ Young Reseacher award in 2003 from the Architectural Institute of Japan (AIJ), JAABE (Journal of Asian Architecture and Building Environmnet) Best Paper Award in 2004, IABSE Prize from The International Association for Bridge and Structural Engineering in 2008, Best Teaching Award from the Graduate School of Engineering the University of Tokyo in 2014, AIJ Aducation Award in 2016.