

Minute of Workshop on Seismic Design and Analysis of Piled Raft Foundation

On August 18 2016, a Workshop on *Seismic Design and Analysis of Piled Raft Foundation* was held at Tamkang University (TKU) Taipei campus. The workshop is organized by Prof. Der-Wen Chang at TKU with the supports of Taiwan Geotechnical Society. Six 30-min lectures on various topics of the theme were delivered and followed by 30-min discussions in both the morning and afternoon. The speakers are Prof. Tatsunori Matsumoto (Kanazawa U.), Dr. Kiyoshi Yamashita (Takenaka Co.), Mr. Yashimasa Shigeno (Takenaka Co.), Dr. Junji Hamada (Takenaka Co.), Mr. Vu Anh Tuan (Kanazawa U.) and Prof. Chang at TKU. The titles of the speeches covered up various aspects of the design, analysis, physical modeling and field monitoring on piled raft foundation. It is a very successful event to share and exchange the advanced knowledge. Participants of the workshop are nearly 50 persons. The audience mainly includes practitioners, researchers, university faculty and students. Group photo taken at the workshop is shown below. Titles of the lectures are summarized as follows,

- 1 Static and seismic performance of a friction piled raft in soft ground - Dr. Kiyoshi Yamashita
- 2 Numerical analyses of a piled raft foundation with grid-form DMWs under large earthquake load – Mr. Yashimasa Shigeno
- 3 Simplified equations to evaluate stress of piles on piled raft and pile foundation during earthquake - Dr. Junji Hamada
- 4 Shaking table tests on piled raft and pile group models in saturated sand at 1-g field - Prof. Tatsunori Matsumoto
- 5 Experimental and numerical study on pile foundation models subjected to cyclic horizontal loading - Mr. Vu Anh Tuan
- 6 Simplified analysis on seismic responses of piled raft foundation and prospective in PBSD - Prof. Der-Wen Chang



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