

PDI: A Keynote Lecturer in Japan

The 9th International Conference on Testing and Design Methods on Deep Foundations took place in Kanazawa, Japan, in September of 2012, attracting more than 230 participants from 35 countries. Technical papers on the latest topics in deep foundations numbered 111, including 8 keynote lectures. **Pile Dynamics, Inc.** is proud to have contributed to that knowledge exchange. *Garland Likins*, president of PDI, gave the keynote lecture "A Brief Overview of Testing of Deep Foundations", covering both traditional foundation testing methods such as high strain dynamic load testing and pulse echo integrity testing and state of the art ones such as thermal integrity profiling (TIP) of drilled shafts. Much interest was generated by the presentation of the TIP method. Recognizing the increased popularity of vibratory pile driving hammers, PDI engineers *Frank Rausche* and *Jorge Beim* addressed the challenges of calculating foundation capacity from dynamic measurements obtained during vibratory installations and make important recommendations in "Analyzing and Interpreting Dynamic Measurements Taken During Vibratory Pile Driving". Lastly, *Garland Likins* and PDI researcher *Dr. Liqun Liang* presented the most recent improvements to pile capacity determina-



The Conference on Testing & Design Methods on Deep Foundations concluded with success

tion in real time during the dynamic load test in "Development of Automatic Signal Matching Procedure - iCAP®". This paper shows that, in many pile driving situations, results from iCAP analysis conducted in the field during driving correlate well with pile capacities calculated by the gold standard signal matching software CAPWAP®, made after the pile driving process is concluded. ■