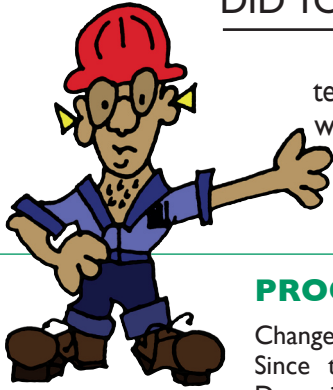


## DID YOU KNOW?



Newly updated sample testing specs are available at [www.pile.com/specifications](http://www.pile.com/specifications)



### PROGRESS

Change is good, and change is inevitable. Since their inception in the 1970s, Pile Dynamics, Inc. (PDI) and GRL Engineers, Inc. (GRL) have had the good fortune of working with some of the best and brightest minds in the deep foundations industry. We have been privileged to have, within our ranks, researchers and engineers with a passion for advancing the State-of-the-Art in construction and geotechnical engineering.

Eventually, the time comes for this next generation of experienced engineers to take on some of the top leadership roles. Over this past summer, Patrick Hannigan, P.E. and Mohamad Hussein, P.E., have ascended into the highest management positions at GRL Engineers. Both are highly respected professional engineers and well-known in the deep foundations testing circles, have spent decades in the firms, and ultimately represent a seamless transition of authority and ability.

Patrick Hannigan is now President of GRL Engineers. He has for the past two decades developed and directed the Illinois Branch Office of GRL, a function he will retain. While heading the Illinois Branch he has managed GRL's activities on major projects in the region, including the Marquette Interchange in Milwaukee, Wisconsin, the Soldier Field reconstruction in Chicago, IL, and the new I-69 corridor in southeast Indiana. He has also been the principal author of the 1998 and 2006 versions of the US Federal Highway Administration's Manual on the Design and Construction of Driven Pile Foundations, a document that has found wide acceptance among designers, testers and contractors. Pat is the lead instructor for the National Highway Institute courses associated with the manual and has been a frequent speaker at Pile Driving Contractors Association (PDCA) and American Society of Civil Engineers (ASCE) events.

Mohamad Hussein has been appointed Chairman of the Board of GRL Engineers, Inc.. He is a well-recognized leader in the deep foundations world, especially in the Southeast US, where in the 1980s he launched the Florida Branch Office of GRL, an office he continues to lead. Mohamad has been involved in numerous major projects like the I-10 Escambia Bay Bridge, Orlando International Airport, I-4 and East-West Expressway Interchange, and many other award winning projects. He is an accomplished author with more than 75 publications, having co-edited several books, among them the Geotechnical Chapter in the Civil Engineering Handbook, seven ASCE Special Geotechnical Publications, and the proceedings of the 5th International Conference on the Application of Stresswave

Theory to Piles. Mohamad is a frequent lecturer, and has organized several professional conferences, most recently the 2009 ASCE/ADSC/PDCA International Foundation Congress. He was the Chairman of ASCE's Deep Foundations Committee from 2002 to 2009.

The rise of Pat Hannigan and Mohamad Hussein implies that someone has relinquished these roles. Frank Rausche, PhD, P.E., one of the original researchers of the Case Project on dynamic pile testing, has transferred his executive responsibilities to his two capable colleagues. Frank Rausche was also Chairman of the Pile Dynamics Board of Directors, and that position transitions to Mohamad Hussein, while Garland Likins, P.E. remains president of Pile Dynamics. The Central and Colorado branches of GRL are now headed by, respectively, Brent Robinson, P.E. and Camilo Alvarez, P.E., both highly accomplished GRL engineers.

After more than forty years developing and implementing dynamic pile testing methods, including the Case Method, CAPWAP<sup>®</sup> and GRLWEAP, and helping grow GRL and Pile Dynamics, Frank will now concentrate on his favorite role of research and development. He will remain a principal of Pile Dynamics, and his long-time business partner Garland Likins looks forward to continuing to enjoy Frank's creative input. Frank mused that the staff and management of PDI and GRL, being such a highly educated, talented, motivated and dedicated group of people, will continue to build on past successes and move the companies ahead with innovation and quality products.

And so, while there is change, the dedicated group of people that makes up GRL will continue to provide outstanding testing and consulting services, while the motivated PDI staff will continue to build quality equipment and write powerful software. Both firms will continue to further develop methods and technologies and, most importantly, provide the same unwavering support to their clients – for years to come.



From left: Pat Hannigan, Frank Rausche, Garland Likins and Mohamad Hussein

## 2011 Calendar of Events Highlights – for a complete list and event details, visit [www.pile.com/events](http://www.pile.com/events)

### SEPTEMBER

25-28: **Stop by the PDI exhibit, booth #5**, at the Western Bridge Engineers Seminar in Phoenix, Arizona to see the latest deep foundation testing systems.

### OCTOBER

2-6: **Visit PDI at booth 11** at the XIV Pan-American Conference on Soil Mechanics and Geotechnical Engineering and 64th Canadian Geotechnical Conference in Toronto, Canada to see the latest deep foundation testing systems.

4-7 **Meet PDI Italian representative DRC** at the SAIE Exhibition in Bologna, Italy.

**10-11 Attend a PDA and CAPWAP Workshop and take the Pile Dynamics and PDCA Dynamic Measurement and Analysis Proficiency Test at the Pile Dynamics headquarters in Cleveland, Ohio. Frank Rausche, Garland Likins, Brent Robinson and Jorge Beim will lecture. For more information and registration form: [www.pile.com/events/docs/cleveland1011.pdf](http://www.pile.com/events/docs/cleveland1011.pdf)**

18-21: **Learn from George Piscalko** at the short course *Importance of Testing and Inspection for Deep Foundations* on the 18th, and **see the latest deep foundation testing systems** at PDI's booth 303 at the DFI 36th Annual Conference on Deep Foundations in Boston, Massachusetts.

27-28: **Learn from Mohamad Hussein** at the ASCE seminar *Deep Foundations: Design, Construction and Quality Control* in Orlando, Florida.

### NOVEMBER

3-4: **Listen to Camilo Alvarez's** presentation at the Simposio Internacional sobre Cimentaciones Profundas in Mexico City, where you can also **visit the booth of PDI representative PDPSA**.

8-9: **Learn from PDI German Representative Dr.-Ing. Oswald Klingmüller** at the Low Strain Integrity Testing (Impact Echo) Workshop and Dynamic Load Testing Workshop (both in German) in Mannheim, Germany.

### JANUARY 5, 2012:

**Learn from Garland Likins** by attending the ASCE Webinar "Installation, Verification and Applications of Driven Piles."

### REPRESENTATIVES NEWS

Pile Dynamics welcomes **Geofive Co., Ltd** as a new representative in Japan and **DECL** as a new representative in Taiwan. PDI has worldwide representatives, find them at [www.pile.com/pdi/agents](http://www.pile.com/pdi/agents).

On a much sadder note, we announce the passing of **Mr. Oscar Fusconi**. Oscar was the founder of CARMIX do Brasil, a PDI representative since 2005. We express our sympathy to his entire family. Oscar's son Francesco Fusconi was groomed by his father to take the helm of CARMIX do Brasil, and the firm continues to represent PDI in Brasil under his leadership.

Pile Dynamics, Inc also regrets to report the passing of **Mr. Quincy Nguyen**, who had been a friend of the company for almost a decade and whose company Nguyen Cao Company Limited of Vietnam was one of PDI's representatives in Vietnam. Deepest condolences to Quincy's family. Pile Dynamics continues to be represented in Vietnam by its representative Inotech.

### WELCOME NEW GRL ENGINEERS

GRL continues to expand to better serve its clients. **Dale Paxton** joined the Florida office, bringing over 12 years of experience in deep foundations testing. **Tom Hyatt**, who had been with GRL as a co-op student since January 2010, has graduated with a BS in Civil Engineering and is now part of the Central Office.

### PDA PROFICIENCY TEST WEBSITE

The PDI - PDCA Dynamic Measurement and Analysis Proficiency Test now has a website. Visit [www.PDAProficiencyTest.com](http://www.PDAProficiencyTest.com) to learn about the test and to find a link to the PDCA magazine article "The Need for Quality Testing" and a list of professionals who have already received a test certificate. More professionals will take the test at the PDA workshop on October 10 and 11 (see calendar of events for more details).

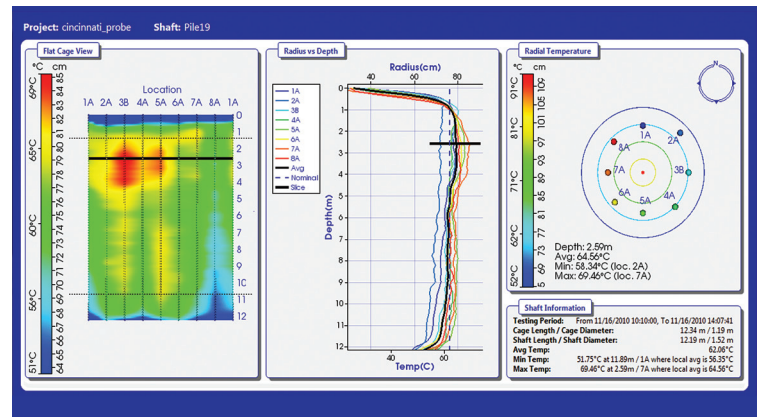
### NEW LOOK FOR THE E-SAXIMETER

The time-tested, dear-to-many-pile-driving-inspectors E-Saximeter has changed colors! The new brown keyboard is easier to use with separate alphanumeric keys for entering information. The E-Saximeter calculates the stroke for single-acting diesel hammers, measures the hammer operating rate in blows per minute and helps the piling inspector create a pile driving log that can later be downloaded. Optional accessories compute hammer kinetic energy and measure penetration depth.



### THERMAL INTEGRITY PROFILER

Our last newsletter described the Thermal Testing Method, which uses the heat generated by curing cement to assess the quality of drilled shafts and other cast in place concrete foundations. The Thermal Integrity Profiler (TIP), with its associated TIP Reporter software (shown on Figure), is now available for sale. Two major benefits of TIP testing are the ability to test soon after casting, and evaluation of concrete cover.



### THANK YOU READERS

Our last newsletter asked that our readers confirm and update their contact information. We were delighted to receive, along with the requested information, several unsolicited notes of praise. Thank you to all of you that took the time to recognize our efforts by telling us that you "enjoy" or even "love" the fact that our "interesting" and "valuable" newsletters "always include very useful and informative content", are "brimming with new information and developments" and "help (readers) keep abreast of current research/technology". You urged us to "keep up the great work" – and we will!

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