

Distinguished Service Award 2003

Dr. Michael O'Neill, as the 2002 Honoree, chaired the Distinguished Service Award (DSA) Selection Committee with the task of reviewing the nominations and recommending to the Board of Directors of DFI a recipient of the DFI Distinguished Service Award for 2003 from among the nominations that had been submitted.

Past DSA recipients Stan Merjan and Bengt Fellenius served with Mike on the selection committee. All three of the committee reviewed the nomination information independently and they agreed unanimously that the recipient of the award for 2003 should be Dr. Frank Rausche of GRL, Inc.

Quoting from Dr. O'Neill's report:

"Frank has made enormous contributions to the analysis of pile driving and sonic integrity testing of piles and has been a stalwart of DFI for many years -- and he does all of this without self-promotion. It is time that he be recognized for his outstanding service to the deep foundations profession with this award."

The Board of Trustees enthusiastically approved the committee's recommendation.

Particulars taken from Frank Rausche's resume appear below:

DR. FRANK RAUSCHE

Education:

- Dipl. – Ing., Technische Hochschule, Stuttgart, Germany, 1966
- Ph.D., Case Western Reserve University, Cleveland, Ohio, 1970

Experience:

- 1977 – Present President, Goble Rausche Likins and Associates, Inc. (recently renamed GRL Engineers, Inc.) Managed company as it grew from 3 to 25 employees which are highly specialized in testing of deep foundations. Performed research and development of software and hardware both in GRL and as a principal of Pile Dynamics, Inc. Performed numerous pile testing and analysis jobs both offshore and on land since the mid 1960s. Active in training and continuing education events for quality assurance of deep foundations.
- 1974 - 1976 Consulting Engineer, Goble and Associates, Inc.
- 1972 - 1974 Foundation Engineer, Johann Keller GmbH, Frankfurt, Germany

- 1971 - 1972 Assistant Professor of Engineering, Case Western Reserve University
- 1970 - 1971 Research Associate, Case Western Reserve University
- 1965 - 1966 Structural Designer, Hermann Kopp Nurlingen (part time)

Professional Registrations and Awards:

- Licensed professional engineer in Ohio, Florida, Pennsylvania, North Carolina
- Civil Engineer of the Year 2000, ASCE
- American Concrete Institute
- Deep Foundations Institute

Research Experience:

- Pile dynamic measurements and analysis; bridge dynamic measurements; automated structural analysis and design.
 - Since 1969 main author and developer of the CAPWAP® program and its documentation; originator of the Case Method Capacity and Integrity Formulas; co-developer of the Pile Driving Analyzer®.
 - Co-investigator involved in the development of WEAP, 1976, an FHWA project.
 - Principal Investigator in WEAP updating, 1981 project.
 - Principal Investigator, "The Performance of Pile Driving Systems," FHWA project, 1982 to 1984.
 - Principal Investigator, "Wave Equation Analysis of Pile Driving, WEAP 86", FHWA 1986.
 - Principal Investigator, "Determination of Pile Driveability and Capacity from Penetration Tests," FHWA sponsored project, started 1990.
 - Main author of GRLWEAP and its documentation since 1990.
 - Coauthor of "Design and Installation of Driven Pile Foundations" for FHWA between 1993 and 1996.
- Publications:
- More than 50 papers have been published in the area of pile dynamics.

The committee also made some comments on the process of selecting the recipient and passed on some worthwhile suggestions as to how the process may be improved in future. No doubt their recommendations will be discussed and will likely be adopted.