

**FIFTH INTERNATIONAL CONFERENCE ON CASE HISTORIES
IN GEOTECHNICAL ENGINEERING**

New York, NY April 13-17, 2004

<http://web.umar.edu/~eqconf/5thCHConf>

REPORT

**Fifth International Conference on Case Histories in Geotechnical
Engineering – 2004**

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The Fifth International Conference on, “Case Histories in Geotechnical Engineering” April 13-17, 2004 in New York, NY was presented by University of Missouri, Rolla and follows the four earlier conferences - May 1984, June 1988, May 1993 and March 1998 respectively. The conference was sponsored by over 20 national and international organizations and was attended by 328 participants from 37 countries. The attendees included a vast majority of world experts on Soil Mechanics and Foundation Engineering, Soil Dynamics, Soil Improvement, earthquake Engineering and related topics.

Keynote Lecture was delivered by Professor Ralph B. Peck, Past President ISSMGE. He emphasized the importance of simple solutions of bearing capacity of Clays and successful Prediction of Transcona Grain Elevator failure and other footings in the early years of Soil Mechanics Studies. Simple solutions are still equally important. Also a special session was dedicated in his honor. A session was also devoted to, “Collapse of World Trade Center and Site Restoration,” and “Times Square Redevelopment” and other related topics.

State of the Art and Practice Lectures included, “Rehabilitation of Leaning Tower of Pisa,” by John Burland (UK), “Piles in Liquefiable Soils,” by W.D. Liam Finn (Canada), and Kenji Ishihara (Japan) and “Status of Pile Analysis and Design” by Harry Poulos (Australia) and others. Also reports on, “Recent Earthquakes,” including Alaska and Italy (2002) Mexico, Turkey, China and Algeria (2003), and other recent Earthquakes were presented.

1 Professor Emeritus, University of Missouri – Rolla and Conference Chairman

2 Professor, Southern Illinois University – Carbondale

Case Histories on the following topics were presented; (1) Shallow, Deep and Other Foundations Including Soil-Structure Interaction, (2) Dams and Embankments, (3) Geotechnical Earthquake Engineering and Natural Disasters, (4) Engineering Vibrations, (5) Retaining Structures and Deep Excavations, (6) Geological, Rock and Mining Engineering, Forensic Engineering Where Things Went Wrong, (7) Soil Property Improvement Use of Light Weight Materials and Remediation of Solid Hazardous and Low Level Radio Active Waste, (8) Non-Destructive Evaluation and Load Testing of Drilled Shafts, Auger Cast Piles and Driven Piles and (9) Recent Earthquakes and Geotechnical Aspects of Recent Earthquakes, (10) Health Monitoring and Retrofit of Bridges, Tunnels, and Other Transportation and Geotechnical Structures

A special session was also devoted to presentation of, “Annual Shamsheer Prakash Research Awards and Prizes for Excellence in the Practice of Geotechnical Engineering”. The winners included George Mylonakis (NY), D.N. Singh (India), Hai-Sui Yu (UK), Neven Matasovic (CA), Yossef H. Hatzor (Israel) and Sissy Nikolaou (NY).

A commercial exhibition adjoining the conference halls displayed some of the geotechnical equipment and services available for researchers and professional engineers. A post conference tour to the, “Ground Zero,” was among the very special activities of the conference.

A short course on, “Soil Dynamics in Engineering Practice,” was conducted on April 12-13, 2004, in which 28 participants from 7 countries has participated.

The proceedings of the conference include CD-ROM I with 327 papers, CD-ROM II with 12 General Reports and 2 papers and an Abstract Volume. The sets costs \$300 plus shipping and handling and have been edited by Dr. Shamsheer Prakash, Conference Chairman and are offered for sale. Please visit our web site <http://web.umr.edu/~eqconf/5thCHConf> for order form and Table of Contents for this and previous conferences and listings our future programs.