

TESTING FORUM

Service Awards Presented by ASTM Committee D18



W. T. Cavanaugh Memorial Award

The 1991 W. T. Cavanaugh Memorial Award was presented to Woodland G. Shockley (center) by John A. Millane (left), ASTM Chairman, and Richard S. Ladd, Chairman of Committee D18, for his widely recognized eminence in the voluntary standards system. We regret that Dr. Shockley passed away shortly after receiving the award.



Special Service Award

The Special Service Award was presented to G. David Knowles (left) of Malcolm Pirnie Inc., Albany, New York, by Richard S. Ladd, Chairman of Committee D18, for coediting *Geotechnics of Waste Fills—Theory and Practice, ASTM STP 1070* with Arvid Landva (not pictured).



Special Service Award

The Special Service Award was presented to Robert T. Donaghe (left) of the U.S. Corps of Engineers in Vicksburg, Mississippi, by Richard S. Ladd, Chairman of Committee D18, for his service as D18.05 sub-chairman.



Special Service Award

The Special Service Award was presented to A. Ivan Johnson (left) of A. I. Johnson, Inc. of Arvada, Colorado, by Richard S. Ladd, Chairman of Committee D18, for 18 years of service as the sub-chairman of D18.93 on Terminology.

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Special Service Award

The Special Service Award was presented to Kenneth R. Demars (left) of the University of Connecticut, Storrs, Connecticut, and Ronald C. Chaney (center) of Humboldt State University, Trinidad, California, by Richard S. Ladd, Chairman of Committee D18, for their editing of *Geotechnical Engineering of Ocean Waste Disposal*, ASTM STP 1087.



Standards Development Award

To Martin N. Sara (left) of Waste Management Inc., Oak Brook, Illinois, the Standards Development Award was presented by Richard S. Ladd, Chairman of Committee D18, for his work on D18.21's Standard D 5092: Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers.



Standards Development Award

To Stephen Trautwein (left) of Trautwein Soil and Testing Equipment, Houston, Texas, by Richard S. Ladd, Chairman of Committee D18, the Standards Development Award for D18.04's Standard Test Method for Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter.



Outstanding Achievement Award

Committee D18's Outstanding Achievement Award was presented to Terry S. Hawk (left) of Baker Engineers, Corapolis, Pennsylvania, by Committee D18 Chairman Richard S. Ladd for his outstanding service and contributions to the D18 Executive Subcommittee.

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From left to right: Terry Hawk, Stephen Trautwein, Woody Shockley, Bob Donaghe, Ivan Johnson, Ken Demars, Ron Chaney, Richard Ladd, and Dan Knowles.

ASTM Committee on Soil and Rock Organizes New Section on Geosynthetics

A growing interest in geostatistical methods has prompted the organization of Section D18.01.07 on Geostatistics. The section is under the jurisdiction of D18.01 on Surface and Subsurface Characterization, a subcommittee of ASTM standards-writing Committee D-18 on Soil and Rock.

The group plans to establish terminology and guidelines for using geostatistical methods of spatial data analysis and interpretation in environmental and geotechnical investigations.

Originally applied in the mining industry, geostatistical methods are increasingly used in a wide range of soil and subsurface studies, including groundwater. While a wide variety of surface

and subsurface characteristics will be considered, initial emphasis will be placed on those of hydrogeological importance.

Interested parties are invited to participate in the work of this section. The last meeting of D18.01.07 was on 28 Jan. 1992 in New Orleans, in conjunction with the 26–30 Jan. 1992 standards development meetings of Committee D-18. For more information, contact Section Chairman, R. Mohan Srivastava, 3900 Quebec St., Vancouver, British Columbia, Canada V5V 3K8, 604/687-3441; Subcommittee Chairman, Ivan Johnson, 7474 Upham Court, Arvada, CO 80003, 303/425-5610, or Robert Morgan, ASTM 1916 Race St., Philadelphia, PA 19103, 215/299-5505.

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Joint U.S.-Canada Geomechanics Workshop To Be Held

A U.S.-Canada Workshop on Recent Accomplishments and Future Trends in Geomechanics in the 21st Century will be held 21-23 Oct. 1992 at The University of Oklahoma, Norman.

Geomechanics is an interdisciplinary area that involves study of natural and man-made systems with emphasis on the mechanics of various interacting phenomena. It encompasses both fundamental and practical aspects and recognizes the need for a rational process of simplification through integration of theory, experiments, and verification for the purposes of developing procedures for solving complex and practical industrial problems. Geomechanics is important for both current and future needs. It involves a wide range of interrelated disciplines such as soil and rock mechanics; mechanics of interacting structures and foundations; the migration of oil, gas, solutants, and other fluids, some of which may be hazardous, through porous media; geoenvironmental issues and global change; offshore and marine geotechnology; geothermal energy; ice mechanics; mechanics of frozen soils; natural and man-made hazards; and geomechanics in space exploration.

The U.S.-Canada workshop will review and evaluate significant developments in geomechanics in the recent past and will discuss and identify future trends expected to have a significant impact on basic and applied research in this important interdisciplinary area as it advances into the 21st century. The workshop will consist of presentations, position papers, and discussions by an invited group of leading, well-recognized researchers and practitioners from key areas of geomechanics and geoenvironmental engineering, as well as carefully planned panel discussions. Emphasis will be given to both fundamental and practical aspects with participation of researchers and practitioners.

The workshop is supported by the Geomechanical, Geotechnical and Geo-Environmental Program in the Directorate of Engineering, National Science Foundation, and it is expected to receive support from the Natural Sciences and Engineering Research Council (NSERC) of Canada. It is sponsored by the International Association for Computer Methods and Advances in Geomechanics (IACMAG) and is expected to receive cosponsorship of other organizations.

Attendance at the workshop is by invitation. Provision is also made to invite a limited number of graduate students. In addition to the invited participants, the workshop will include some "observers," who will be expected to pay a registration fee (\$150).

The executive committee consists of: C. S. Desai (Chair), University of Arizona; M. M. Zaman (Co-Chair), University of Oklahoma; A. P. S. Selvadurai (Co-Chair), Carleton University, Canada; J. T. Christian, Stone and Webster; W. D. L. Finn, University of British Columbia, Canada; S. Green, Terra Tech; R. D. Holtz, University of Washington; H. Matlock, consultant; J. K. Mitchell, University of California, Berkeley; N. R. Morgenstern, University of Alberta, Canada; J. D. Murff, Exxon Production Research; L. C. Reese, University of Texas, Austin; M. T. Tumay, Program Director, National Science Foundation (sponsor).

Persons, interested in participating in the Workshop as observers should write to: Prof. M. M. Zaman, Co-Chair, School of Civil Engineering, University of Oklahoma, Norman, OK 73019 (Phone: 405-325-5911; Fax: 405-325-7508), or to Prof. A. P. S. Selvadurai, Co-Chair, Dept. of Civil Engineering, Carleton University, Ottawa, Ontario K1S 5B6, Canada (Phone: 613-788-5784; Fax: 613-788-3951).

University of Missouri-Rolla Offers Continuing Education Courses in 1992

The Continuing Education Department of the University of Missouri-Rolla offers the following courses in 1992. Those interested contact:

Continuing Education
University of Missouri-Rolla
119 M.E. Annex, Rolla, MO 65401-0249
Telephone: 1-800-752-5057
Fax: (314) 341-4992

14th Annual Short Course on Groundwater Analysis and the Design of Dewatering Systems Including Mining Dewatering

March 30-April 3, 1992
Sheraton Hotel and Conference Center
Lakewood, (Denver) CO (303) 987-2000

Course covers the determination of aquifer characteristics by pumping tests and other methods, analysis of groundwater flow as it affects dewatering operations, calculation of flow quantities, numerical modelling of aquifer flow, installation, operation and field monitoring of dewatering systems, and the application of dewatering systems to construction sites and to mining operations. Case histories are presented to illustrate steps in the decisions required of the engineer and contractor. A workshop illustrating computer modelling is included.

FEE: \$1325

LECTURERS: J. Patrick Powers, Fletcher Driscoll, Chuck Brawner, Don Warner, Charlie Riggs and Norbert Schmidt.

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16th Annual Short Course on Embankment Dams Soils Aspects Including Safety of Existing Dams

April 6–10, 1992

Sheraton Hotel and Conference Center
Lakewood, (Denver) CO (303) 987-2000

This course covers the fundamental elements of design of small and medium embankment dams constructed of earth, rockfill or mine wastes for such purposes as impoundment of tailings, municipal water supply reservoirs, recreational lake developments, flood and debris control reservoirs, and cooling water reservoirs for power plants. It is also applicable to the evaluation of safety of existing dams. The instruction covers aspects of wave protection, design and construction control of embankments for strength and stability, foundation design, seepage control and relief drainage, and slope stability by computer methods. Emphasis will be on the practical aspects, and the workshop will include slope stability analysis by hand and by computer methods. These problems are common to embankment dams of earth or rock impounding water and to dams constructed of mine wastes. The workshop will stress solution of problems from actual designs. No attempt will be made to cover hydrologic and hydraulic design of the reservoir and spillway. The IBM PC microcomputer and compatible compact computers will be used for the solution of slope stability problems for the design of embankment slopes.

FEE: \$1325

LECTURERS: Bernard B. Gordon, Charles O. Riggs, John Nelson and Norbert Schmidt

18th Annual Short Course on Quality Geotechnical Lab Testing

May 18–22, 1992

UNIVERSITY OF MISSOURI-ROLLA CAMPUS
Rolla, Missouri

The short course provides advanced instruction in consolidation and shear strength testing of foundation and embankment soils, as well as permeability (hydraulic conductivity) testing of soils,

including compacted clay liners for solid and toxic waste sites. Includes participation laboratory.

FEE: \$1325

LECTURERS: Richard W. Stephenson, Rodney Lentz, Frank Townsend, Charles O. Riggs and Norbert Schmidt

Five-Day Additional "Hands-On" Laboratory for Quality Geotechnical Lab Testing

Saturday–Wednesday, May 23–27, 1992

at extra cost of \$1325

Janardanan Uppot, P.E., Ph.D., Associate Professor of Civil Engineering, McNeese State University, conducts the "Hands-On" Workshop. Attendance at the Quality Geotechnical Lab Testing Course within the last four years is a prerequisite.

14th Annual Short Course on Fundamentals of Grouting

September 21–25, 1992

Sheraton South Hills Hotel
Pittsburgh, PA (412) 343-4600

This short course covers injection grouting as a method to improve permeability, settlement characteristics and strength properties of soil. Geological site investigation, equipment and procedures for cement grouting, grouting rock under dams, exploration methods, structural chemical grouting of soil, chemical grouting for water control, grouting of rock anchors, compaction grouting, lifting and leveling, "soil nailing" and other specialized grouting and project management, are major topics covered. Principles and case histories will be presented. A field demonstration of grouting techniques is included.

FEE: \$1375

LECTURERS: A.C. Houlsby, Jim Warner, Wallace Baker, Donald Bruce, Sam Bandimere, Glenn Smoak, Norbert Schmidt, Ken Weaver

ISRM to Sponsor International Symposium on Rock Mechanics

The SPG (Portuguese National Group of the International Society of Rock Mechanics) is organizing the 1993 ISRM International Symposium on Safety and Environmental Issues in Rock Engineering to be held in Lisbon, Portugal 21–24 June 1993. Following the ISRM symposium, the Second International Workshop on Scale Effects in Rock Masses will be held 25 June 1993. The SPG is requesting abstracts of papers for both the ISRM Symposium and the Workshop to reach them by 30 Sept. 1992.

Abstracts should be sent to:

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