

Announcements

15th Congress of the ICOLD

Lausanne, Switzerland, June 24—28, 1985

The following 4 technical questions will be dealt with:

- Dam and foundation monitoring.
- Concrete dams: Cracking, Rolled Concrete.
- Foundation treatment for control of seepage.
- Rehabilitation of dam to ensure safety.

● 15th ICOLD, c/o Bonnard et Gardel, Av. de Cour 61, CH-1007 Lausanne, SWITZERLAND.

4th International Symposium on Tunnelling

Brighton, U. K., June 1985

Themes of "Tunnelling 85": Methods and Machines; Geotechnical topics; Services; Complete Projects.

● The Secretary, Institution of Mining and Metallurgy, 44, Portland Place, London WIN 4BR, U. K.

26th U. S. Symposium on Rock Mechanics

Rapid City, SD, U. S. A., June 26—28, 1985

Rock Mechanics: Research and Engineering Applications in Rock Masses. The Symposium will be held in conjunction with the Centennial Celebration of the South Dakota School of Mines, and workshops and field trips are being planned for June 24—25, and 29.

● Prof. Eileen Ashworth, Dept. of Mining Engineering, South Dakota School of Mines and Technology, Rapid City, SD 57701, U. S. A.

7th Rapid Excavation Tunneling Conference

New York, NY, U. S. A., June 1985

Topics: Tunnel boring machine case histories; Soft ground and roadheader case histories; Geotechnical data for underground projects; Large diameter tunnels and underground chambers case histories; Shafts and inclined galleries; Lining and permanent support methods; Improvements in conventional tunneling methods; Seismic design for underground structures; Tunnel safety; Groundwater control in shafts and mine openings; Conventional shaft sinking practices for mining; Current shaft and tunnel lining techniques; New developments in drill-and-blast excavation; Design, construction and support of large underground openings; and TBMs and roadheaders in mining.

● Mrs. Darline D. Daley, Assistant Conference Manager, RETC, Society of Mining Engineers, Calier No. D, Littleton, CO 80127, U. S. A.

The Role of Rock Mechanics in Excavations for Mining and Civil Works

Zacatecas, México, September 2—4, 1985

An international symposium, organized by the Mexican Society for Rock Mechanics with the aim to discuss participation of rock mechanics in rock engineering problems: purely academic concepts or merely practical solutions without consideration of the underlying rock mechanical basis, are out of consideration. Themes: Open Excavations; Underground Mining; Underground Permanent Excavations; Rock Caving for Storage. The symposium will feature visits to construction and mining sites during and after the working-sessions.

- MEXROC 85, Apartado Postal 73—147, C. P. 03020 México, D. F., MEXICO.

Fundamental of Rock Joints

Björkliden, Sweden, September 15—20, 1985

Topics: Geology of joints; Statistics of rock joints: acquisition, processing and interpretation of joint data; Mechanical and physical properties of rock joints including time depending effects; Hydraulics of joints and fractures and hydro-mechanical coupling; Modelling of joints and jointed rock masses.

Fee: SK 4.900 (including transportation from and to Kiruna, and full lodgement). Participation is limited to 80 persons.

- Fundamentals of Rock joints, Centek Conference, S-95187 Luleå, SWEDEN.

Underground Structures in Built-Up Areas

Prague, Czechoslovakia, September, 1985

Topics: Planning, designing, and exploiting the underground of large cities for purposes of water piping, power supply, sewerage, storage, and transportation. Driving tunnels and constructing underground structures in densely built-up areas, environmental protection, description of construction works. Planning and designing underground railroads, appreciating their economic advantages, exploitation experience. Building underground railroads, describing special technologies, problems of urban constructions.

- Tunnel-City '85, METROSTAV n. p., Osadní 12, 17004 Praha 7, CZECHOSLOVAKIA.

Geotechnical Applications of Remote Sensing

Cocoa Beach, FL, U. S. A., January 26, 1986

Organized by the ASTM Committee D18 on Soil and Rock, as a part of its spring meeting, with the purpose of showing advantages and disadvantages of various remote sensing and remote data transmission techniques, equipment, and programs related to soil mechanics, rock mechanics, geologic engineering, ground-water hydrology, and other scientific input to geotechnical engineering studies.

- Mr. A. Ivan Johnson, Consultant, Woodward-Clyde Consultants, Harlequin Plaza-North, 7600 East Orchard Road, Englewood, CO 80111, U. S. A.
- Mrs. Kathy Greene, ASTM Publications Division, 1916 Race Street, Philadelphia, PA 19103, U. S. A.

Numerical Models in Geomechanics

Ghent, Belgium, March 31—April 4, 1986

The emphasis of this international symposium, second in the series will be given to the verification and evaluation of models for practical application. Topics: Numerical models and modelling in laboratory of monotonic, cyclic and transient loading, application in practice, comparison with measurements.

- Dr. G. Pande, University of Swansea, Singleton Park, Swansea, SA2 8PP, U. K.

Large Rock Caverns

Helsinki, Finland, August 25—28, 1986

Programme: Case histories; Economic aspects (costs; savings; operation); Engineering geology (geology; investigations; instrumentation); Risks and responsibilities (owner, designer, constructor relationships); Design methods (analysis; modelling; monitoring; reinforcement; sealing); Environmental and legal aspects (urban areas; use for human activities); Construction techniques (excavation: reinforcement; sealing). Abstracts until 09/15/85. An exhibition displaying completed large caverns, construction equipment, other technical and scientific equipment, and literature will be held.

- Dr. Kari Saari, International Symposium on Large Rock Caverns, Technical Research Centre of Finland, Geotechnical Laboratory, Lehtisaarentie 2, SF-00340 Helsinki, FINLAND.

Rock Stresses and Stress Measurement

Stockholm, Sweden, September 1—3, 1986

This symposium is held in connection with the international symposium "Large Rock Caverns" in Helsinki, FINLAND.

- Mr. Tomas Franzén, The Secretary, Swedish National Committee for Rock Mechanics, Royal Swedish Academy of Engineering Sciences, Box 5073, S-10242 Stockholm, SWEDEN.

Engineering in Complex Rock Formations

Beijing, China, September, 1986

Themes: A — New developments in field and laboratory testing of complex formations (In-situ and laboratory testing techniques; Geophysical testing and exploration; New procedures and data acquisition techniques; Determination of design parameters); B — Design of surface and underground excavations founded in complex formations (Fundamental research; Design philosophies; Methods of analysis; Stability of rock slopes, dam foundations, and underground structures); C — Construction and strengthening (Excavation and support, with an emphasis on complex rock formations); D — Monitoring (Back analysis; Case studies; Evaluations of analytical methods, design methods, and construction techniques). One page abstracts until 1/1/1985. L: Chinese, English. A guest programme and technical visits and tours are being organized.

- Prof. Tan Tjong-Kie, Complex Rocks Symposium Secretariat, Institute of Geophysics, Academia Sinica, Beijing, CHINA.

5th International Congress of the IAEG

Buenos Aires, Argentina, October 20—25, 1986

Themes: 1 — Engineering Geological Investigations of Rock Masses for Civil Engineering Projects and Mining Operations. 2 — Engineering Geological Problems Related to Foundations and Excavations in Weak Rock. 3 — Engineering Geological Aspects of Foundations in Soils. 4 — Engineering Geological Problems Related to Hydraulic and Hydroelectric Developments. 5 — Engineering Geology in the Development of Road, Railroad, Coastal and Offshore Projects. 6 — Engineering Geological Aspects in Environmental Planning and Urban Areas. Two Colloquies on Engineering Geology in Geothermal Engineering Projects, and on Engineering Geology Relates to Nuclear Waste Disposal Projects shall take place.

- Dr. L. Primel, LCPC, 58, Bd. Lefèbvre, F-75732 Paris Cedex 15, FRANCE.