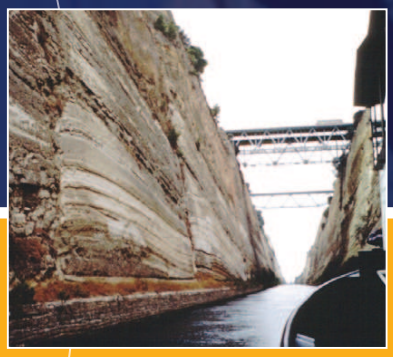
International Society for Rock Mechanics

ISRM Fellows
2011



ISRM Fellows

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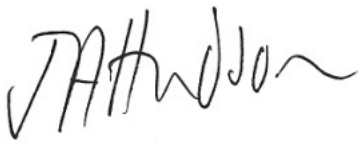
In line with enhancing the recognition of ISRM members' high-level achievements,

the new status of ISRM Fellow has been introduced by the 2007–2011 Board to acknowledge select individuals who have achieved outstanding accomplishments in the areas of rock mechanics/rock engineering and have contributed significantly to the work of the ISRM. It is intended that the title of ISRM Fellow will carry a clear Society recognition in addition to that which an individual has attained through his or her own reputation.

The title and position of ISRM Fellow is a lifetime appointment. ISRM Fellows can be called upon as appropriate for ISRM activities, and would be expected to provide reasonable advice and participation where possible. Thus, the induction of ISRM Fellows creates a group of high-level experts who can provide strong support to the ISRM as necessary.

Photographs and abbreviated CVs of the initial group of Fellows being inaugurated at the ISRM Beijing Congress Banquet on Tuesday, 18 October 2011 are included in the following pages—in alphabetical order of surnames.



John A Hudson, ISRM President, 2007–2011

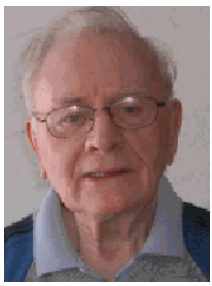
TED BROWN

Emeritus Professor E.T. Brown is a graduate of the Universities of Melbourne (BE 1960, MEngSc 1964), Queensland (PhD 1969) and London (DSc(Eng) 1985). His major career appointments have been as Professor of Rock Mechanics and Dean of the Royal School of Mines at Imperial College, London, and as Dean of Engineering and Senior Deputy Vice Chancellor of the University of Queensland, Australia. Since 2001, he has been a Senior Consultant to Golder Associates, Brisbane, and has served as a Director of Queensland Rail and the Port of Brisbane Corporation.

Ted has wide international experience as a researcher, teacher, consultant and writer on rock mechanics and its applications in the mining, civil engineering and energy resources industries. He served as ISRM President from 1983 to 1987. He is an International Fellow of The Royal Academy of Engineering, UK, and a Fellow of the Australian Academy of Technological Sciences and Engineering.

In 2001, he was appointed a Companion in the Order of Australia. He was awarded a Centenary Medal by the Australian Government in 2003, the John Jaeger Memorial Award of the Australian Geomechanics Society in 2004, the President's Award of the Australasian Institute of Mining & Metallurgy for 2006, the ISRM's Müller Award in 2007, and the SME Rock Mechanics Award in 2010.

CHARLES FAIRHURST



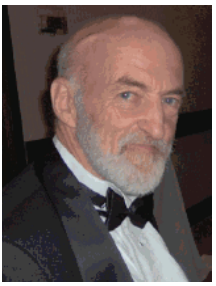
Professor Fairhurst obtained his B.Eng. with First Class Honours and Ph.D (both in Mining Engineering) from Sheffield University in the UK. He is currently Professor Emeritus at the University of Minnesota and Senior Consultant, Itasca Consulting Group (ICG) Inc. Minneapolis, MN,USA.

Charles was the Director of the International Rock Mechanics Group, Salzburg, Austria (this being the pre-cursor of the ISRM) and a collaborator with Professor Müller during the evolution of the ISRM; in fact he was the first English-speaking ISRM member, No. 20. Many years later, from 1991–1995, Charles was the President of the ISRM.

He is a present and former member of many Advisory Panels, several being related to nuclear waste isolation. He is also an international consultant on mining and civil engineering projects and on rock mechanics projects concerning rock drilling, hydraulic fracturing, *in situ* stress measurements, mine design, design of tunnel supports, hazardous waste disposal, and use of underground space.

Charles has advised many PhD students from almost every part of the world and received many accolades, including honorary doctorates from France, Russia, UK and the USA. He has pioneered, *inter alia*, the analysis/measurement of rock drilling processes, *in situ* stress and tunnel support design.

JOHN A. FRANKLIN



Dr. John A. Franklin has degrees in civil engineering, engineering geology, and rock mechanics. During his 1965–1970 stay at Imperial College in London, he developed the point load and slake durability tests that now form the basis for much of presentday rock classification, and also innovative methods for triaxial testing, direct shear and swell-testing. Until his retirement, he taught University of Waterloo courses in engineering geology, technical writing, tunnelling and underground works. He has authored and co-authored over 100 research articles and written two college textbooks.

As a consulting geotechnical/geological engineer, John directed several hundred investigations, including major highways, slope stability, dam sites, aggregate and mineral resources studies, and tunnelling and mining investigations deep underground in Bermuda, Bolivia, Canada, Colombia, France, Great Britain, Greece, Ireland, Jamaica, Kenya, Mexico, Saudi Arabia, South Africa, Spain, and the U.S.A.

Of his many lifetime accomplishments, he is most proud of his association with the ISRM, and has served as ISRM President (1987–1991), as well as chairing the Commissions on Testing Methods (1975–1987), and Education (1991–1995). In fact he has organised and directed the preparation of most of the ISRM "Suggested Methods" for rock testing.

PIERRE HABIB

Professor Pierre Habib, our oldest Fellow, was born in 1925. He attended the École Polytechnique in France from 1945 to 1948. He became a Research Engineer at CEBTP in Paris in 1948 and worked on *in situ* Young's modulus measurements in 1950 and *in situ* stress measurements in 1951. He then obtained his PhD in 1952. After the International Congress for Soil Mechanics held in Paris in 1961, Prof. J. Mandel created a Laboratory for Solid Mechanics (LMS) at the École Polytechnique and Pierre became the Director Adj.

Pierre studied rock creep in 1963, the scale effect during triaxial tests with lateral pressure in 1963, and the scale effect and scatter of simple compression tests of iron ore samples. He also studied high pressure triaxial tests on various rocks in 1974. He became a Professor in 1972, and was President of the ISRM (1974–1979). He has been Professor of Soil and Rock Mechanics in the École Nationale du Génie Rural des Eaux et des Forjts (1966–1998) and Lecturer at the École Nationale Supérieure des Mines in Paris and at the École Polytechnique.

Later and among other projects, Pierre studied the Malpasset dam failure in 1987, the mechanism of kink band formation in 1994, tunnel face equilibrium in 2010, and the Vierzy railway tunnel failure, also in 2010. He is now Scientific Advisor of the Laboratoire de Mécanique des Solides (École Polytechnique). He has written more than 250 articles and three books.

MARC PANET

Marc Panet is a civil engineer with degrees from the École des Mines de Paris in 1962 and the University of California at Berkeley in 1963. From 1965 to 1982, he worked at the Laboratoire Central des Ponts et Chaussées in Paris, then for the SHP Group, SIMECSOL where he was President and CEO, FC International SA where he was also President and CEO, and since 2002 he has been a Consultant.

He has been in charge of numerous studies in geotechnical engineering for underground works, highways, bridges, and natural hazards, including the Mont Blanc Tunnel, Frejus Road Tunnel, LEP (CERN in Geneva), Channel Tunnel (from 1967 to the end of the construction), Millau Bridge, Loetschberg Base Tunnel (Switzerland), subways in Paris, Rennes, Caracas, Athens, Algiers, the landslides of the city of Constantine (Algeria), the project of the suspended bridge on the Straits of Messina (Italy), and the cable-stayed bridge on the Golden Horn (Turkey).

Additionally, Marc is a member of many international consultancy committees. He is the author of a great number of publications in professional journals and international conferences. He is a Member of the French Academy of Technology and was the President of the ISRM during the period 1999–2003. His distinctions include Chevalier de l'Ordre National du Mérite and Chevalier de l'Ordre des Palmes Académiques.

SHUNSUKE SAKURAI

Professor Shunsuke Sakurai is an Emeritus Professor of both Kobe University and Hiroshima Institute of Technology in Japan. He obtained a ME degree at Kyoto University in 1960 and then joined the Transportation Bureau of the Osaka Municipal Office, Japan, as a civil engineer designing steel and concrete structures for the subway.

He then went to the USA in 1962 and was awarded a PhD in civil engineering by Michigan State University in 1966. After that, he worked at Kobe University as Professor of Rock Mechanics until 1999. During that time, he was the President of the ISRM for the term 1995–1999. Also, he was invited as a Visiting Professor at various Universities, for example, the Swiss Federal Institute of Technology (ETH) in Switzerland, the University of Queensland in Australia, and Graz Technical University in Austria. In 1999 he moved to the Hiroshima Institute of Technology where he worked as University President until 2003.

Shun has over 45 years of experience in teaching and research in the field of rock mechanics, especially in back analysis of field measurements for monitoring the stability of tunnels and slopes. He has published many technical papers related to this field. He has been involved in various rock engineering projects, not only in Japan, but also in overseas countries.

NIELEN VAN DER MERWE

Professor van der Merwe gained a BSc in Mining Engineering in 1971 (University of Pretoria) and then worked at the West Driefontein gold mine. He obtained MSc and PhD degrees part time at the University of the Witwatersrand, plus the Mine Manager's Certificate of Competency.

In addition to being President of the South African National Institute of Rock Engineering for several terms and Vice President for Africa of the ISRM, Nielen was President of the ISRM for the period 2003–2007. He was instrumental in the creation of the Federation of International Geo-Engineering Societies (FedIGS) and currently serves as its President. He is a registered Professional Engineer at the Engineering Council of South Africa and a Fellow of the South African Academy of Engineering.

His career of 40 years in the mining industry consisted of 27 years in industry and 13 years in academia, research and consulting. He was Head of the Department of Mining Engineering at the University of Pretoria 2001 to 2007 and, after two failed attempts at retirement, is currently Professor in the Centennial Chair for Rock Engineering at the University of the Witwatersrand, as well as being a consultant.

In addition to several papers, Nielen published two handbooks on coal mining rock engineering. He has been awarded two Gold Medals by the SAIMM and a Special Award from the South African Colliery Managers Association.

ISRM

WALTER WITTKE

Professor Wittke obtained his MSc in civil engineering from the Technical University of Hannover and a PhD in soil mechanics from the Technical University of Karlsruhe in Germany. He was appointed in 1965 as a Lecturer and in 1970 as Associate Professor, and Senior Academic Official at the Technical University of Karlsruhe. In 1974, he became Professor and Director of the Institute for Geotechnical Engineering, Technical University (RWTH) Aachen.

Walter has also been a Visiting Professor at Northwestern and Purdue Universities in the USA, and at the Indian Institute of Technology in Madras, India. Since 1980, he has been Managing Director of the engineering firm Prof. Dr.-Ing. W. Wittke Consulting Engineers for Tunnelling and Geotechnical Engineering, WBI GmbH, which has been involved in many significant projects.

In addition to his work for the German Geotechnical Society, he has been an active member of ICOLD, the ISSMFE, the IAEG, and the ISRM, and was President of the ISRM from 1979–1983. Walter has also been active in editorial work and especially vigorous in organising the German National Symposia in Aachen. He has many awards and more than 300 publications of various kinds.

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ISRM Secretariat
LNEC
Av. Brasil, 101
1700-066 LISBOA
PORTUGAL
Tel.: (+351) 218443419
Fax: (+351) 218443021
E-mail: secretariat.isrm@lnec.pt