Curricula Vitae of the Candidates Running for an Office of ISRM Vice-President for the Term of Office 2007-2011

For the African Region:

Daniel François Malan is South African, and obtained his B.Ing. (Electrical) (Cum Laude), in 1992, and his M.Ing. (Electrical) (Cum Laude), in 1993, both at the Rand Afrikaans Univ., in Johannesburg S AFRICA. Having joined the CSIR Division of Mining Technology, in Johannesburg, as Research Engineer, in 1997, he became Project Manager. In 1998, he obtained his Ph.D. (Mining Engineering), at the Univ. of the Witwatersrand, also in Johannesburg. Still at the CSIR Division of Mining Technology, in 2000, he became Research Area Manager, and, in 2001, Programme Manager. Since 2003, he has a Chamber of Mines strata control certificate, and, since 2004, a Chamber of Mines Rock Mechanics certificate, being also a registered Professional Engineer with the Engineering Council of South Africa. In 2004, he moved to Groundwork Consulting Pty (Ltd), still in Johannesburg, as Principal Consultant, and in 2006, he was promoted to Operations Director.

Dr Malan is a member of the ISRM, through the South African National Institute of Rock Engineering (SANIRE) (the ISRM NG SOUTH AFRICA), having been its Vice-President (for the term of office 2001-2003) and its President (for the term of office 2003-2005), and being now its Immediate Past President (for the term of office 2005-2007).

He is also a member of the South African Institute of Mining and Metallurgy (SAIMM).

Dr Malan is the author of 12 publications in refereed journals, 14 publications in conference proceedings, and 1 booklet. He has received the Salamon prize for best paper in Rock Mechanics (in 1997), the South African Institute of Mining and Metallurgy silver medal (in 1998), the CSIR Outstanding Achiever Award – Team Award, for Scientific Excellence (presented to the Fracture Zone Behaviour Group, also in 1998), the ISRM Rocha Medal (in 2001), the CSIR Outstanding Achiever Award, for Technical Scientific Excellence (also in 2001), and the CSIR Outstanding Achievers Award (presented to the Miningtek Management Team, Drive towards KITO, and Excellence in Transformation, still in 2001).

He has worked in the fields of numerical modelling and of the physics of the rock mass behaviour. His work focussed mainly on the research into the micro-mechanical rock behaviour, and the use of boundary element models and laboratory models. He also gained significant expertise in the time-dependent behaviour of hard rock, which he used as a topic to obtain his PhD (for which he obtained the ISRM Rocha Medal). During the last years, he gained further experience in stope support design, quality assurance procedures for the mine support, large instrumentation programmes, and numerical modelling of shallow tabular excavations. His great passion in rock engineering is the use of continuous closure measurements as a diagnostic measure of the rock behaviour.

Dr François Malan has been nominated by the ISRM NG SOUTH AFRICA.

For the Asian Region:

Abdolhadi Ghazvinian is Iranian, and obtained his Ph.D. (Rock Mechanics – Geotechnical Engineering), at the Indian Inst. of Technology, in New Delhi, INDIA. Currently, he is the Head of the Rock Mechanics Division, of the Department of Mining Engineering, at the Tarbiat Modares Univ. (TMU), in Tehran, IRAN, where he teaches the courses on Advanced Rock Mechanics, Analysis and Design of Underground Excavations, Tunnel Engineering, Analysis and Design of Surface Excavations, Advanced Methods of Site Investigations, etc., working also as a researcher, in the Rock Mechanics Laboratory of the Department of Mining Engineering and the Department of Geology. From time to time, he also works as Senior Consultant for various rock engineering projects, of the Ministry of Energy, the Ministry of Mines and Metals, the Ministry of Higher Education, and the Ministry of Housing and Urban Planning.

Dr Ghazvinian is a member of the ISRM, through the Iranian Society for Rock Mechanics (the ISRM NG IRAN), having been its Secretary-General (for the term of office 1999-2002) and the Secretary-General for the 1st Iranian Rock Mechanics Conference (in 2002), and being now its Chairman (since 2006).

He was also the Chairman of the Iran Mining Engineering Conference 2005, and is a member of the Iranian Society for Civil Engineering, the International Society of Soil Mechanics and Geotechnical Engineering, and the Indian Geotechnical Society.

Dr Ghazvinian has published more than 50 academic papers, in national and international journals, and presented papers at international conferences and seminars.

Dr Ghazvinian has been nominated by the ISRM NG IRAN.

Krishan Gopal Sharma is Indian, and obtained his B.E. (Civil) and his M.E. (Civil), at the Birla Institute of Technology and Science (BITS), in Pilani, INDIA, and his Ph.D., at the University of Wales, in Swansea, UK. Having already taught since 1974, in 1980, he joined the Department of Civil Engineering, of the Indian Institute of Technology, Delhi, in New Delhi, INDIA, and, from 1988 to 1989, he was a Visiting Lecturer at the University of Arizona, in Tucson AZ, USA. At the Indian Institute of Technology, Delhi, since 1990, he is Professor of Civil Engineering, and, from 2003 to 2006, he was Head of the Department of Civil Engineering.

Prof. Sharma is a member of the ISRM, through the Committee of the International Society for Rock Mechanics (India) (the ISRM NG INDIA), being currently its President. In 2002, he has been involved in the organization of the ISRM Regional Symposium on Advancing Rock Mechanics Frontiers, held in New Delhi.

He is also a member of the ISSMGE, the International Association for Computer Methods and Advances in Geomechanics, the Indian Society of Earthquake Technology, the Indian Society for Rock Mechanics and Tunnelling Technology, and the Indian Society for Technical Education, as well as a fellow of the Indian Geotechnical Society. Furthermore, he has been nominated as member of the Governing Council for the Central Soil and Materials Research Station (CSMRS), in New Delhi, of the Standing Technical Advisory Committee of the CSMRS, of the Sectorial Committee of the National Board of Accreditation (All India Council for Technical Education), and of the Indian National Committee on Geotechnical Engineering. He has been involved in the organization of many national and international conferences and workshops, like the Indian Geotechnical Conferences (1986, 1998, and 2003), the International Conference on Engineering Software (1989), the International Conference on Numerical Methods in Geomechanics (1991), the International Conference on Soil Mechanics and Foundation Engineering (1994), the 2nd International Workshop on Geotextiles (1994).

Prof. Sharma has published 43 research papers, in national and international journals, and 103 research papers, in national and international conferences, and has guided 19 Ph.D. theses and 70 M.Tech. theses. He has received 7 national and international awards (from the Indian Geotechnical Society, the Central Board of Irrigation and Power, the Indian Society for Rock Mechanics and Tunnelling Technology, and the International Association for Computer Methods and Advances in Geomechanics), and has been a member of the Editorial Board of the journals “Computers and Geotechnics” and “Journal of Rock Mechanics and Tunnelling Technology”.

His main teaching and research interests are the constitutive modelling of soils (Yamuna sand, Delhi silt, reinforced soils, rockfill materials) and rocks (intact rocks, jointed rock masses), including the post-peak behaviour, and the use of the FEM for the linear, nonlinear, and elasto-plastic analysis of geotechnical engineering problems. He has successfully completed 5 research projects funded by the Government of India, in the areas of stresses and deformations around underground structures, computer aided design of underground structures, material modelling and computer methods related to river valley projects, software for finite element analysis of underground structures, using an equivalent material model, and testing and modelling of rockfill materials, and, currently, works on 3 more projects, one of them funded by National Science Foundation (USA). He has also been involved in numerous consultancy projects on the analysis and design of dams, tunnels, underground powerhouses, slopes, and foundations, and has been a member of Expert Committees appointed by the Bombay High Court, and the Supreme Court of India.

Prof. Sharma has been nominated by the ISRM NG INDIA.

So-Keul Chung, born in Ulsan KOREA R, in 1952, is married and has a daughter. He obtained his B.Sc. (Mining Engineering), in 1975, at the Seoul National Univ., in Seoul KOREA R. In 1978, he joined the Korea Inst. of Geoscience and Mineral Resources (KIGAM), in Daejeon KOREA R, as Researcher. In 1982, he obtained his DEA (Engineering Geology), at the École des Mines de Nancy, in Nancy FRANCE, and, in 1984, his Dr-Ing. (Rock Mechanics), at the Université d'Orléans, in Orleans, FRANCE. Still at the KIGAM, in 1985, he became Senior Researcher, and, in 1990, Principal Researcher. From 1999 to 2002, he was Director of the Geophysical Exploration and Mining Engineering Division, and, currently, works in the Geomechanics and Underground Structures Group, of the Geotechnical Engineering Division. Furthermore, he was Adjunct Professor, at the Chungnam National University, in Daejeon, in 2002, and at the Chunnam National University, in Gwangju, KOREA R., in 2003.

Dr Chung is a member of the ISRM, through the Korean Society for Rock Mechanics (KSRM) (the ISRM NG KOREA R), having been the Secretary-General of the 1st Asian Rock Mechanics Symposium (ARMS) (in 1997), and the Editor-in-Chief of the "Journal of Geosystem Engineering" and the "Tunnels and Underground Space" (for the term of office 2001-2005), and being now the President of the KSRM (since 2005), as well as a member of the ARMS Award Committee, and of the 4th ARMS Organizing Committee.

He is also the Chairman of the Working Committee 2 (Underground Storage) for the Korean Gas Union (since 2004).

Dr Chung has published more than 200 research papers and technical reports, and edited more than 12 books and proceedings.

His research areas include monitoring and analysis of the mechanical behaviour of rock structures, such as rock slopes, large underground openings, mine openings, and tunnels, and a gamut of rock mechanical studies for underground LNG storage caverns and waste repositories, pertaining to those he has participated in several scientific and industrial research projects.

Dr So-Keul Chung has been nominated by the ISRM NG KOREA R.

For the Australasian Region:

Anthony Meyers is Australian, and started to work, in 1980, at the North Mine of the North Broken Hill Pty Ltd, in Broken Hill NSW, AUSTRALIA, as Graduate Mining Engineer. In 1981, he moved to the Kalgoorlie Lake View Mine of the Western Mining Corporation, still as Graduate Mining Engineer, and, in 1983, he changed to the Tecalemit A/Asia Pty Ltd, as Process Engineer in Research and Development. From 1984 until 1986, he worked for Flopetrol Schlumberger, as Field Service Engineer. Having obtained his B.Eng. (Mining Engineering), in 1988, at the South Australian Institute of Technology, in Adelaide SA, AUSTRALIA, with the thesis "Triaxial Stress Field Measurement, Using a Single Borehole", he joined the Department of Civil Engineering of the University of Adelaide, in Adelaide, as Senior Research Officer in Rock Mechanics and PhD candidate. In 1992, he changed to the Department of Mining Engineering of the University of Adelaide, as Director of the Mining Engineering Research Group, and Senior Lecturer in Rock Mechanics, and, in 1993, he obtained his Ph.D. (Rock Mechanics), at that University, with the thesis "The Determination of the Rock Mass Strength, for Engineering Design". Since 1997, he also works for Rocktest Consulting, as Director and Senior Geotechnical Engineer in Rock Mechanics, and, in 1999, he obtained a Diploma in Financial Markets, from the Securities Institute Education. In 2003, he left the University of Adelaide.

Dr Meyers is a member of the ISRM, through the Australian Geomechanics Society (the ISRM NG AUSTRALIA), currently being a member of its National Committee.

He is also a member of the Australian Inst. of Mining and Metallurgy, and of the Institution of Engineers Australia, as well as a Chartered Professional Engineer (NPER).

Dr Meyers is the author of 22 publications, and has supervised 25 research projects. He has been awarded the JB Were and Son, and the First National Bank of Chicago state prizes.

His expertise includes the use of probabilistic based, analytical and numerical methods for determining the stability of surface and underground excavations in rock; the statistical assessment of the spatial characteristics of discontinuities within rocks; the design of rock slope remediation systems, and the supervision of site works; laboratory testing of rocks; and the installation and monitoring of field instrumentation.

Dr Meyers has been nominated by the ISRM NG AUSTRALIA.

For the European Region:

Nuno Feodor Grossmann, born in Lisbon, PORTUGAL, in 1941, is married and father of 4 children. He obtained his Dipl.-Ing. (Mining Engineering), in 1964, at the Instituto Superior Técnico (IST) of the Universidade Técnica de Lisboa, in Lisbon, and started to work both at the Laboratório Nacional de Engenharia Civil (LNEC), in Lisbon, as Trainee Research Officer, and at the IST, as 2nd Assistant. Between 1967 and 1972, he fulfilled his compulsory military service in the Portuguese Engineers Corps, first in mainland Portugal, and then in Portuguese Timor. Back in Lisbon, he resumed his prior positions at the LNEC and IST. At the LNEC, in 1977, he obtained the degree of Specialist in Rock Mechanics, with the thesis "Contribution to the Study of the Jointing of the Rock Masses", in 1987, was approved as Principal Research Officer, with the research programme "The Discontinuities in the Rock Masses – Geometrical Characteristics and Influence on the Deformability of the Rock Masses", in 1991, became Head of the Road Geotechnique Division of the Transportation Networks Department, and, in 1996, Head of the Underground Works Divisuon of the Dams Department. Since 2003, he works in the Foundations and Underground Works Division of the Concrete Dams Department. At the IST, he lectured until 1979, having taught mainly classes in Applied Geology, Geology, Mineralogy, and Petrology. Between 2000 and 2003, he was Invited Full Professor at the University of Évora, Evora PORTUGAL, where he taught the subject of Rock Mechanics.

Dr Grossmann is a member of the ISRM, through the Sociedade Portuguesa de Geotecnia (the ISRM NG PORTUGAL), being, since 2004, a member of the Editorial Board of its journal "Geotecnia". He has been Secretary-General of the ISRM (1983-1987), Editor-in-Chief of the ISRM News (1989-1996), member of the ISRM Commission on Communications (1988-1991), and responsible for the E.U.-financed EUROCK Euroconferences Projects (1993-1996), and still is member of the EUROCK Steering Committee (since 1990), Contributing Editor of the ISRM News Journal (since 1996), and member of the ISRM Commission on Education (since 1997). He has taken part in the ISRM Lecture Tour 2006, in CHINA, in 8 ISRM International Congresses on Rock Mechanics, and, since 1982, in nearly all ISRM International Symposia, and is, currently, Vice-President of the Organizing Committee of the 11th International Congress on Rock Mechanics.

He is also a member of the IAEG, the ISSMGE, the ITA, the Portuguese Association of Explosives Studies and Engineering (AP3E), and the Portuguese Engineers Order (OE), and, since 2002, a member of the Explosives Commission of the Ministry for Internal Affairs.

Dr Grossmann is the author or co-author of nearly 200 documents.

His main research topic is the study of the rock mass jointing. He also has a large experience in the performance of in-situ rock mechanics tests, having conducted tests in Portugal and abroad (Angola, Austria, China (Taiwan), Germany, Iran, Nepal, and Spain), for bridge foundations, dams, quarries, road and railway tunnels, and underground powerhouses. During the last years, he further developed a significant activity as auditor of the quality control of works.

Dr Grossmann has been nominated by the ISRM NG UK, his nomination being supported also by the ISRM NGs FINLAND and PORTUGAL.

For the North American Region:

C. Derek Martin is Canadian, and obtained his B.Sc. (Geology), in 1972, at the Memorial University, in St. John's NF CANADA. From 1972 until 2000, he held various industrial positions in engineering (among which the one of Associate Director of the Geomechanics Research Centre of the Laurentian University), having obtained his M.Eng. (Civil/Geotechnical Engineering), in 1983, at the Uniersity. of Alberta, in Edmonton AB CANADA, and his Ph.D. (Civil and Geological Engineering), in 1993, at the University of Manitoba, in Winnipeg MN CANADA. In 2000, he joined the Department of Civil and Environmental Engineering, of the University of Alberta, in Edmonton, as Professor.

Prof. Martin is a member of the ISRM, through the Canadian Rock Mechanics Association (CARMA) (the ISRM NG CANADA), having been Chairman of its Rock Mechanics Division (for the term of office 1990-1993), and Chairman of the CARMA (for the term of office 1995-1997).

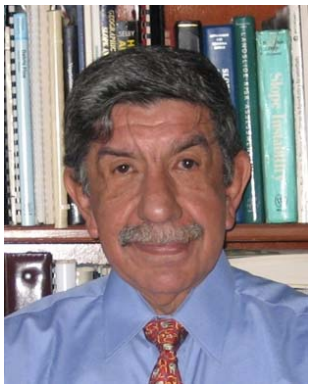
He is also a member of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta, of the Canadian Geotechnical Society (having been member of its Research Board (1993-2003), Associate Editor of the “Canadian Geotechnical Journal” (1996-2002), and CGS Vice-President Technical (2005-2006), and being, currently, the Chairman of the Organizing Committee of the Canadian Geotechnical Conference, to be held in Edmonton), and of the Canadian Tunnelling Association (having been the Technical Chairman of the 18th Tunnelling Association of Canada National Conference (2004-2005)). He further has been a member of the Natural Sciences and Engineering Research Council of Canada Grant Selection Committee for Civil Engineering (for the term of office 1994-1997).

Prof. Martin is the author of over 140 publications on rock mechanics. He has received the Canadian Geotechnical Society's Colloquium Award (in 1993), the ISRM Rocha Medal (in 1995), and the Canadian Geotechnical Society's John Franklin Award (for contributions to the Canadian rock mechanics) (in 1996), and, in 2006, was elected fellow of the Engineering Institute of Canada. Since 2004, he is a member of the Editorial Advisory Boards of the journals “International Journal of Rock Mechanics and Mining Sciences” and “Felsbau”.

His Ph.D. thesis has the title “Strength of Massive Lac du Bonnet Granite, around Underground Openings”.

Prof. Martin has been nominated by the ISRM NG CANADA.

For the South American Region:



Álvaro J. Gonzalez Garcia, born in Bogotá, COLOMBIA, in 1942, obtained his degree as Civil Engineer (Honors), in 1965, at the Colombia National University, in Bogotá, and, from 1966 to 1967, took part in M.Sc. courses, at the Iowa State University, in Ames IA, USA. From 1969 to 1993, he has taught, intermittently, in several Colombian universities, as External Professor, and, in 1970, he started to work as Consultant in Geotechnical Engineering. In 1974, he obtained his DIC (Soil Mechanics) and his M.Sc. (Soil Mechanics) (Distinction), both at the Univ. of London, in London, UK. Since 1975, he is Associate Professor of Geotechnical Engineering, at the Colombia National University, in Bogotá, where he has also been, from 1975 to 1976, the Chief of the Geotechnical Section, of the Department of Civil Engineering, and, from 1976 to 1978, the Head of the Department of Civil Engineering. In 1978, he joined Ingeniería e Hidrosistemas Ltd - Consulting Engineers, in Bogotá, as Partner, and in 1985, he took part in a Foundations Training Course, at the Tokyo International Center (JICA), in Tokyo JAPAN. In 1986, he left Ingeniería e Hidrosistemas, and, until 1989, worked as Director of the National Highway Landslide Research Study, of the Colombia National University, for the Ministry of Public Works, in Bogotá. Since 1990, he is Partner and Manager of Análisis Geotécnicos Colombianos Ltd - Consulting Engineers, in Bogotá.

Prof. Gonzalez is a member of the ISRM, through the Colombian Geotechnical Society (SCG) (the ISRM NG COLOMBIA), having been its President (for the terms of office 1992-1994, and 1994-1996). He has also been COLOMBIA's Offical Delegate at all South American Rock Mechanics Conferences, except the 5th SARocks.

He is also a member of the IAEG and of the ISSMGE (and, since 2002, member of the ISSMGE Committee TC23), as well as of the American Society of Civil Engineers (ASCE), the Civil Engineers Association of the Colombia National University (AICUN), and the Colombian Engineers Society (SCI) (having been the President of its Geotechnical Committee, for 2 terms of office). Furthermore, he is the Coordinator of the Committee on Geotechnical Normalization (since 2002).

Prof. Gonzalez is the author of more than 90 papers, in national and international conferences and meetings, mainly, on slope stability, rock mechanics, material behaviour, foundation engineering, and hazard evaluation, and has guided more than 30 postgraduate theses. He is also the author of "Development and Social Insertion of Civil Engineering in Colombia", a work for which he was awarded the Research Distinction Award of the Civil Engineers Association of the Colombia National Univ. (1990), and co-author of the Title H (Geotechnical Studies) of the Colombian Earthquake Resistant Code - 1998 (NSR98). In 1992, he delivered the 4th National Geotechnical Lecture - Risk Evaluation in Geotechnics – for the Colombian Engineers Society.

He has taught courses in soil mechanics, rock mechanics, foundations, earth retaining structures, and flow in porous media, and provided consultancy in geotechnical aspects of transportation, hydroelectric, environmental, irrigation, mining, and urban projects, and in hazard and risk evaluation, for the Colombian Geological Service (INGEOMINAS), the United Nations (UNDRO-COLOMBIA), the World Bank, British Petroleum (COLOMBIA), Intercor (Exxon-COLOMBIA), Proactiva (SPAIN-COLOMBIA), and many other state and private entities.

Prof. Gonzalez has been nominated by the ISRM NG COLOMBIA.