



Australian Geomechanics Society

Correspondence: AGS Secretariat
PO Box 955
ST IVES NSW 2075
AUSTRALIA

Email: secretary@australiangeomechanics.org

17 February 2021

Dr Luís Lamas
Secretary General, ISRM
c/o LNEC, Av. do Brasil 101, 1700-066 Lisboa, Portugal
Tel.: (+351) 218443419
E-mail: secretariat@isrm.net

Dear Dr Lamas,

Nomination for ISRM President 2023-2027

The ISRM National Group of Australia, the Australian Geomechanics Society (AGS), would like to nominate Professor Jian Zhao of Monash University, a past Vice President and a Fellow of ISRM, for the position of ISRM President for the term 2023 to 2027.

Professor Zhao has worked in Europe for 15 years, Asia for 15 years, and now in Australia since 2013. He is currently a university distinguished professor and an engineering company senior consultant, and is well recognised for his teaching, research and practice of rock mechanics and underground engineering.

Professor Zhao is an active member of AGS and was a committee member of the AGS Victoria Chapter. He has been actively participating in ISRM activities, including chairing the ISRM Singapore National Group in the 1990s, serving as an ISRM Vice President in 2003-2007, and being inducted to ISRM Fellows in 2015.

With his global and multi-cultural experiences, academic and professional achievements, leadership and organisation skill, and continuous dedication to ISRM, we believe Professor Zhao is an excellent candidate for ISRM Presidency and to serve ISRM for a greater benefit of ISRM members.

A one-page curriculum vitae and a statement of the nominee are attached with this nomination letter as required by the ISRM by-laws.

Yours faithfully,
AUSTRALIAN GEOMECHANICS SOCIETY

Dr Nina Levy
National Chair

encl: Prof Jian Zhao CV; Statement of the nominee.

cc: Peter Robinson, AGS Secretary General.
Dr Sevda Dekhoda, ISRM Vice President for Australasia

Jian ZHAO, Monash University, Australia

Professor of Geomechanics and Resources Engineering
Department of Civil Engineering, Monash University
23 College Walk, Clayton, Victoria 3800, AUSTRALIA
jian.zhao@monash.edu; Tel: (61) 447 820861



University Degrees and Professional Qualifications

BSc (Hon.), Civil Engineering, University of Leeds, UK, 1980-1983.
PhD, Engineering Rock Mechanics, Royal School of Mines, Imperial College, University of London, UK, 1983-1987.
Chartered Engineer (Mining) UK, 1995; Professional Engineer (Civil) Singapore, 1995.

Principal Employments and Adjunct Appointments

2013–Present, Monash University, Clayton, Australia. Distinguished Academic Professor (2013–Present), Geomechanics and Resources Engineering, Department of Civil Engineering. Vice President, Monash University – Southeast University Joint Research Institute (Suzhou) (2017–2020).
2016–Present, SMEC Services Pty Ltd, Melbourne, Australia. Technical Principal (casual).
2013–2016, Terratech Group Limited (Singapore Exchange listed), Singapore. Independent Non-Executive Director on the Board of Directors, and Chairman of the Remuneration Committee.
2005–2013, Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland. Professor of Rock Mechanics and Tunnelling, Director of Laboratoire de Mécanique des Roches (LMR), School of Architecture, Civil and Environmental Engineering.
1990–2005, Nanyang Technological University, Singapore. Research Fellow (1990-93), Lecturer (1993-94), Senior Lecturer (1994-95), and Associate Professor (1995-2005) and Coordinator of Underground Technology and Rock Engineering Programme, School of Civil and Environmental Engineering.

Key Academic and Professional Profiles

Editor-in-Chief (2019–Present), International Journal of Rock Mechanics and Mining Sciences (Elsevier).
Editor-in-Chief (2001–2018), Tunnelling and Underground Space Technology (Elsevier).
Co-Editor-in-Chief (2015–2019), Geomechanics and Geophysics for Geo-Energy and Geo-Resources (Springer).
Co-Editor (2006–2019), Geomechanics and Geoengineering – An International Journal (Taylor & Francis).
Vice President (2003–2007), International Society for Rock Mechanics and Rock Engineering (ISRM).
Executive Council Member (2001–2004), International Tunnelling and Underground Space Association (ITA).

Major Professional Awards and Honours

Australia's Research Field Leader in “Mining & Mineral Resources”, The Australian (Research Magazine), 2019.
Prix Roberval (prix francophone du livre et de la communication en technologie), 2017.
“Thousand Talents Plan” State Expert, Government of China, 2016.
ISRM Fellow, International Society for Rock Mechanics (ISRM), 2015.
Prestigious Engineering Achievement Award (team), Institutions of Engineers Singapore (IES), 2004.
Richard Wolters Prize, International Association of Engineering Geology and the Environment (IAEG), 2000.
“Cheung Kong Scholars Program” Award, Ministry of Education, China, 2000.

Research Interests and Engineering Consulting

Fundamental and applied researches on rock mechanics, tunnelling, and mining, including: rock fracturing and fragmentation, dynamic failure and strength, shock wave propagation, deep geothermal energy, induced seismicity, properties of rock fractures, support of large excavations, underground space planning, microwave rock fracturing technology, TBM in difficult grounds, particle and discrete element modelling. Supervision of more than 50 PhD students at universities in Australia, Singapore, Switzerland and China.

Specialist consulting and expert reviewer on geotechnical engineering with applications in construction, mining, quarrying, petroleum, hydropower, earthquake, and environmental engineering, including: geological investigation, rock foundation and slope engineering, and underground excavation and tunnelling, groundwater and underground resources development, underground space planning and development.

Publication Profiles and Metrics

Author or co-author of over 400 publications, including 15 book/monographs/edited volumes. As of 28/1/2021, Scopus h-index is 59 and citation over 12,000 and Google Scholar h-index is 62 and citation over 15,000. Latest publication and citation profiles and metrics can be found at Scopus and Google Scholar.



MONASH University

Department of Civil Engineering
Faculty of Engineering

28 January 2021

Dr Luis Lamas
Secretary General, ISRM

Dr Nina Levy
Chair, Australian Geomechanics Society (ISRM National Group)

Dear Colleagues

This is to confirm my wish to stand for the election of the position of ISRM President for the term 2023 to 2027.

I confirm that I am aware of the duties and responsibilities of the ISRM President, and I am willing and able to fulfil these responsibilities if elected.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Jian Zhao'.

Jian Zhao