



Society for Rock Mechanics & Engineering Geology (Singapore)

1 Liang Seah Street #02-11 Liang Seah Place, Singapore 189022

28 February 2017

Dr Luis Lamas
Secretary General
International Society for Rock Mechanics

NOMINATION FOR ISRM PRESIDENT 2019-2023 – JIAN ZHAO

Dear Dr Lamas,

The ISRM National Group of Singapore, the Society for Rock Mechanics & Engineering Geology (Singapore), would like to nominate Professor Jian Zhao, the founding chairman of ISRM Singapore National Group, a past Vice President and a Fellow of ISRM, for the candidacy of ISRM President of 2019-2023.

After obtaining his university degree in civil engineering in England, Professor Zhao started his rock mechanics career in 1983, working on his PhD with Professor E.T. Brown at Imperial College London. In 1990, he moved to Singapore Nanyang Technological University where he led the rock mechanics teaching and research, and involved in rock engineering practice. He led the rock mechanics community in Singapore, including starting up the ISRM National Group of Singapore. He was a rock mechanics and tunnelling professor at Ecole Polytechnique in Lausanne Switzerland from 2005 to 2013 and now a Distinguished Academic Professor at Monash University in Melbourne Australia. Professor Zhao has been served as the Editor of Tunnelling and Underground Space Technology international journal since 2001.

Professor Zhao 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 Fellow since 2015. With his inter-continental and multi-cultural experiences, academic and professional achievements, leadership and organisational 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 Law.

Yours sincerely

Zhiye Zhao
President, Society for Rock Mechanics & Engineering Geology (Singapore)

Jian ZHAO, Distinguished Academic Professor

Department of Civil Engineering, Faculty of Engineering, Monash University
23 College Walk, Clayton, Victoria 3800, AUSTRALIA
jian.zhao@monash.edu; Tel: (61) 3990 56879; Fax: (61) 3990 54944



University Degrees

BSc (Hon.), Civil Engineering, University of Leeds, UK, 1983.

PhD, Engineering Rock Mechanics, Royal School of Mines, Imperial College, University of London, UK, 1987.

Principal Employments

2013–, Monash University, Clayton, Australia. Distinguished Academic Professor of Geomechanics, Resources and Geological Engineering, Department of Civil Engineering.

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. Last appointment as Associate Professor and Coordinator of Underground Technology and Rock Engineering Programme, School of Civil and Environmental Engineering.

Key Professional and Executive Profiles

Independent Director (2014–), Terratech Group Limited (listed on Singapore Exchange).

Editor-in-Chief (2001–), Tunnelling and Underground Space Technology (Elsevier).

Co-Editor-in-Chief (2015–), Geomechanics and Geophysics for Geo-Energy and Geo-Resources (Springer).

Co-Editor (2006–), Geomechanics and Geoengineering – An International Journal (Taylor & Francis).

Editorial/Advisory Board Member of about 15 international and local geomechanics and related journals.

Vice President (2003–2007), International Society for Rock Mechanics (ISRM).

Executive Council Member (2001–2004), International Tunnelling and Underground Space Association (ITA).

Director (2005–2015), Laboratory of Rock Mechanics (LMR), EPFL, Switzerland.

Chartered Engineer (Mining) UK; Professional Engineer (Civil) Singapore; FAusIMM, FIEAus.

Major Professional Awards and Honours

The Thousand Talent Program Distinguished Professorship, Government of China, 2016.

ISRM Fellow, International Society for Rock Mechanics (ISRM), 2015.

Tan Swan Beng Endowed Visiting Professorship, Nanyang Technological University, Singapore, 2012.

Honorary Member, Rock Mechanics and Engineering Geology Society (Singapore), 2006.

Honorary Member, Tunnelling and Underground Construction Society (Singapore), 2006.

Prestigious Engineering Achievement Award (team), Institutions of Engineers Singapore (IES), 2004.

Richard Wolters Prize, International Association of Engineering Geology and the Environment (IAEG), 2000.

Chang Jiang (Cheung Kong) Scholars Program Distinguished Professorship, Ministry of Education, China, 2000.

Core Research Interests

Fundamental and applied researches of rock mechanics and dynamics, tunnelling, underground space technology and mining, including: rock fracturing and fragmentation, dynamic failure and strength, shock wave propagation, deep rock geothermal energy, induced seismicity, coupled THM properties of rock fractures, support of large excavations, underground space planning, TBM technology and tunnelling in difficult grounds, particle manifold method and discrete element modelling.

Engineering Specialist Consulting

Specialist consulting on geotechnical engineering with applications in construction, mining, quarrying, petroleum, hydropower, earthquake, and environmental engineering.

Publication Profile

Author or co-author of over 400 publications, including 15 book/monographs/edited volumes, and over 150 articles in ISI journals. Publication profile can be found at Google Scholar and other citation systems, with Google Scholar h-index over 40, i-10 index over 150, total citation over 6,300 (as on 30/10/2016).



MONASH University

Department of Civil Engineering
Faculty of Engineering

1 February 2017

Dr Luis Lamas
Secretary General, ISRM

Prof Zhiye Zhao
President, Society for Rock Mechanics & Engineering Geology (Singapore) (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 2019 to 2023.

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 be 'Jian Zhao'.

Jian Zhao