

Secretary General IAEG
Institute of Geology and Geophysics
Chines Academy of Sciences
No 19 Beituchengxilu
Chaoyan District
Beijin 100029
China

Attention: Professor Faquan Wu

Dear Faquan

IAEG Australasian Vice President (2023-2026) – Nomination

It is my pleasure to nominate Anthony Bowden for role of the IAEG Australasian Vice President for the term 2023 to 2026.

Anthony's nomination for this role has been discussed and endorsed by the Australian Geomechanics Society (AGS) and the New Zealand Geotechnical Society (NZGS). The AGS and NZGS being an umbrella organisation in Australia and New Zealand representing engineers and geologists from IAEG, ISSMGE and ISRM.

Anthony has been an active member of IAEG for over 20 years and in 2018 he was nominated and elected to serve as liaison between the IAEG VP Australasia (Doug Johnson) and the AGS. Over the last four years, Anthony has worked closely with myself and with past VP for Australasia 2015-2018 (Mark Eggers) and has represented IAEG on the National Committee of the AGS. Anthony has campaigned vigorously on behalf of engineering geologist and is very active in the engineering geological community providing training courses and individual mentoring for young engineering geologists and geotechnical engineers.

He brings both experience and passion for engineering geology as well a strong connection with the working membership of IAEG through AGS and NZGS.

In support of the Anthony's nomination please see his CV attached.

I am pleased to nominate and support Anthony with his nomination and consider he will for fill the role to high level of commitment and execution.

I am happy to speak on his behalf as his nominator should anyone have any questions.

Yours Sincerely



Doug Johnson
Vice President Australasia
IAEG

Anthony Bowden



Profession

Engineering Geologist

Years of Experience

35

Qualification

1997 Chartered Geologist

1997 Fellow of the Geological Society

1985 – Honours Degree in Applied Earth Science

Publications

Pappin J.W. & Bowden A.J.H. “The likelihood of earthquake induced landslides in Hong Kong” in “Slope engineering in Hong Kong” organised by The Hong Kong Institution of Engineers Geotechnical Division Annual Seminar, May 1997

Mote T.I., Bowden A.J., Nation K.P. “Optimized rock-fall hazard monitoring and assessment on Christmas Island, Indian Ocean. 11 Congress of the IAEG, 2010

Anthony is an engineering geologist with a passion for the advancement of the discipline, reinforced with over thirty-five years’ experience working in Australasia, South-East Asia, Southern Africa and Europe. He is a member of the International Association of Engineering Geology and Environment, the Australian Geomechanics Society and is a Chartered Geologist, and Fellow of the Geological Society of London.

Anthony is a trusted advisor to Government organisations on engineering geological aspects of the planning, procurement, and construction of major infrastructure projects, particularly tunnels.

Current Professional Positions

Australian representative of the International Association of Engineering Geology and the Environment.

Member of the National Committee of the Australian Geomechanics Society.

Technical review panel of the Australian Geomechanics Journal

Editorial board member of the Quaternary Journal of Engineering

Career Summary

- 2021 – Present Transport for NSW, Tunnel Lead Engineering Geology
- 2013 – 2021 Bowden Geological Pty Ltd. Director
- 1989 – 2013 Arup Pty Ltd (Australia, HK and UK): Associate Director
- 1987 – 1989 Kennecott Explorations: (Australia) Exploration geologist

1985 - 1987 Lonrho Plc: (Zimbabwe) Mine geologist

Early career as a mine and exploration geologist

After graduating with a degree in Applied Earth Science from the Kingston Polytechnic (now Kingston University) in 1985, Anthony’s early career was spent in the gold mining and explorations industry. He spent three years working in gold mines in Zimbabwe with Lonrho Plc, where he was trained and gained significant experience in geological mapping, core logging geological interpretation and sampling for assay purposes. He subsequently moved to Australia where he joined Kennecott Explorations (subsequently BP Minerals) for who he carried out extensive gold exploration and mine development studies at their major prospect on Lihir Island in PNG.

Early career as an engineering geologist

As part of his work on Lihir Island, Anthony gained a some experience in engineering geological collecting data for the pit designs and the various infrastructure facilities that would be required to support a future mine site. As a result of this experience, he took a position with Arup Geotechnics in London. Arup at this time were the preeminent geotechnical consultancy in the UK and Anthony was privileged to work with many of the foremost engineers in the industry at that time.

Anthony carried out geotechnical investigation projects for Arup all over the UK with highlights being major urban regeneration projects in the old docklands of London, civil engineering works in north and south Wales and underground railways in London.

In 1991 he was invited to join a small team of Arup engineers seconded to the Hong Kong Government carrying out planning studies for the proposed new airport at Chep Lap Kok. After almost two years with the Airport Authority he joined the Arup office where he worked on underground railways, high rise building and land reclamations.

Mid-career as an experienced engineering geologist

From 1995 to 1996 Anthony worked with an international team of geologists and engineers on an earthquake reconstruction project in the Philippines where he prepared geohazard maps of the Baguio City in a mountainous area of northern Luzon Island.

Between 1997 and 2000 in Hong Kong, Anthony built a team of engineering geologist providing support to his Arup engineering colleagues working on tunnels, power stations, landslide preventative measures and offshore structures.

In 2000 Anthony moved to Sydney, Australia with Arup where he subsequently led their geotechnical engineering team. During this time, he led studies for many road, rail, tunnel, pipeline, building and oil and gas infrastructure projects.

Later career as an independent consulting engineering geologist

In 2013 Anthony left Arup to set up his own consulting practice where he worked extensively as a trusted consultant to various Australian government agencies providing guidance on landslide hazard awareness, investigations and engineering geological risk for major civil engineering infrastructure projects. He currently works with the New South Wales Government as their lead engineering geologist supporting eight major tunnel projects.

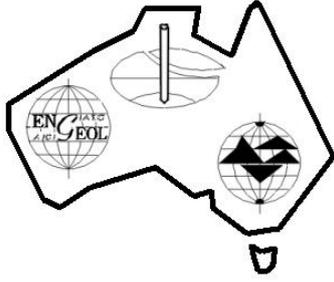
Support for the IAEG community

Anthony has been a member of IAEG for about 20 years and has attended a number of Congresses including Auckland and San Francisco and was online for the recent Athens meetings for the Council. In 2018 he was nominated and elected to serve as liaison between the IAEG and the Australian Geomechanics Society. The AGS being an umbrella organisation in Australia representing engineers and geologists from IAEG, ISSMGE and ISRM.

Over the last four years, Anthony has worked closely with both Doug Johnson the current IAEG VP for Australasia and Mark Eggers the past VP. He has represented IAEG on the National Committee of the AGS where he has campaigned vigorously on behalf of engineering

geologist. A significant challenge during his time as IAEG liaison has been created by new legislation around Australia requiring registration of ground engineering professionals but excluding engineering geologist from registration. Anthony has consulted extensively with colleagues in Australian and internationally on this issue and is representing the profession and IAEG in negotiations with the NSW Government to amend the registration regulation.

Anthony is very active in the engineering geological community providing training courses and individual mentoring for young engineering geologists and geotechnical engineers. He leads professional development courses in geotechnical mapping, soil and rock logging and assists in other courses providing field skills for engineering geologist, geological training for engineers and geographical information systems for geotechnical practitioners.



Australian Geomechanics Society

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14 June 2022

Professor Faquan Wu
Secretary General, IAEG
Shaoxing University
No. 508 Huanchengxilu, Shaoxing,
Zhejiang Province, 312000, China
Email: iaegsg@163.com

Dear Professor Wu,

Re: Candidature of Anthony Bowden for IAEG Vice-President, 2023 – 2026

The Australian Geomechanics Society (AGS) hereby formally nominates Anthony Bowden for the position of International Association for Engineering Geology and the Environment (IAEG) Vice-President for the Australasian region for the 2023 to 2026 term. The AGS make this nomination as the IAEG National Group (NG) for Australia. Anthony's candidature is also fully supported by Doug Johnson, the out-going Vice-President for the Australasian region.

Anthony is a member of the AGS and a Chartered Engineering Geologist with over 30 years experience in civil engineering, mining and mineral exploration. Anthony has made a sustained and valuable contribution to local and international learned societies and is a dedicated ambassador for the profession.

I am delighted to support Anthony's nomination and look forward to working alongside him in his IAEG VP role.

Yours faithfully

Australian Geomechanics Society

Dr David Lacey

National Chair, Australian Geomechanics Society