

# Instrumentation and Monitoring Working Group (I&MWG)

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NON-EXECUTIVE DIRECTOR / ADVISOR

GEOTECHNICAL OBSERVATIONS LIMITED

# History and Background

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- Emap Instrumentation and Monitoring Conference, March 2019

GROUND ENGINEERING May 2019

*At a round table debate in March, GE, in association with Geotechnical Observations, looked at what skills, procurement and collaboration will be needed to deliver instrumentation and monitoring projects.*

- Preparation of Terms of Reference and *Modus Operandi* for a new I&M Working Group
- Presentation to AGS's Business Practice Working Group: Proposal accepted
- November 2019: Approved by the AGS Executive
- *COVID-19 arrives*
- First meeting of the Instrumentation and Monitoring Working Group: 24 April 2020

# Aims and Activities

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- To promote geotechnical, structural, and environmental instrumentation and monitoring (I&M) to the geotechnical, geoenvironmental, and wider ground engineering community.
- To raise awareness to clients, asset owners, their professional advisors, and related parties, of the need for baseline (i.e. pre-implementation/construction), project implementation, and post-implementation I&M for all types of projects and asset management.
- To be a focal point for the education and training of those engaged, or seeking to be engaged, in I&M including, but not limited to: the design and manufacture of instruments and related software and research and development, the design of and specification of I&M, the procurement of I&M, the installation of instruments, and the interpretation and presentation of I&M and related software.
- To identify and define an appropriate data format to effect the transfer of I&M data for interpretation, analysis, and presentation.

These aims are achieved through the Group's activities in respect of:

- a) promoting the activities of the I&MWG to the AGS Membership and to the wider industry.
- b) maintaining a watching brief on I&M activities of the wider national and international engineering and related communities, and reporting these to the membership;
- c) organising and running I&MWG initiatives and events on behalf of AGS;
- d) being involved closely in the drafting and reviewing of national and international standards, codes of practice and other definitive guidance;
- e) being represented on national and international Technical Committees, and the like, in addition to d), above;
- f) being pro-active at all levels of education and technical and professional training;
- g) establishing and promoting recognised qualifications for all those engaged in I&M work;
- h) striving to become a leading national authority on I&M matters affecting the AGS Membership and the wider industry.

# I&MWG Members

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Jonathan Gammon	Geotechnical Observations Limited [I&MWG Leader]
Neil Atkinson	Arcadis
Paul Bailie	Arup
Katharine Barker	Campbell Reith
Tom Birch	Geotechnics
Gurjeet Chana	Jacobs
Philip Child	Bentley Systems
Marco Di Mauro	AECOM
Emma Leivers	Geotechnical Engineering
Mario Markos Miletic	Fugro
Rachel Monteith	BuroHappold Engineering
Steve Revill	Jacobs
Andrew Ridley	Geotechnical Observations Limited
James Roberts	Bridgeway Consulting
Alice Shrubshall	BuroHappold Engineering
Stephen Walthall	Independent
Katie Kennedy	AGS Secretariat, Forum Court

## **Past Meetings (online):**

24 April 2020

16 September 2020

28 October 2020

22 January 2021

6 May 2021

16 July 2021

## **Next Meeting:**

17 November 2021

# I&MWG Roles

Name	Role*
Jonathan Gammon	WG Leader PC: <b>Business Practice Working Group</b> Liaison: AGS(Hong Kong); CIRIA; Geological Society; GS HK Regional Group; Institution of Civil Engineers; Royal Institution of Chartered Surveyors; Temporary Works Forum; International Society for Structural Health Monitoring of Intelligent Infrastructure
Paul Bailie	Liaison/PC: Academic Institutions/Education Data Management Focus Group
Katharine Barker	PC: <b>Geotechnical Working Group</b>
Tom Birch	PC: <b>Contaminated Land Working Group</b>
Philp Child	PC: <b>Data Management Working Group</b> Data Management Focus Group
Marco Di Mauro	PC: <b>Safety Working Group</b> Liaison/PC: British Dam Society/Dams
Emma Leivers	PC: <b>Laboratories Working Group</b> Data Management Focus Group
Mario Markos Miletic	Liaison/PC: British Tunnelling Society/Tunnelling
Rachel Monteith / Alice Shrubshall	PC: <b>Loss Prevention Working Group</b>
Andrew Ridley	Liaison: British Geotechnical Association Liaison/PC: ISSMGE, BSi, ISO/Standards
Steve Walthall	Data Management Focus Group

\*PC: **Primary Contact**. The initial point of contact with the I&MWG. The “Go To” person. Not to be confused with the term “Champion”.

# Past Present and Future Activities

Activity 20/01: AGS Annual Conference, 2 April 2020: Presentation to introduce the new I&MWG

Activity 20/02: AGS Instrumentation and Monitoring Half-Day Seminar . .

Activity 20/03: Contribute the I&M content to a revision of the UK Specification for Ground Investigation, 2<sup>nd</sup> Edition (also known as The Yellow Book”).

Activity 20/04: Contribute the I&M content to an AGS initiative relating to Procurement as influenced by the Institution of Civil Engineer’s “Project 13” and encompassing related issues such as Specifications and NEC4 (and its application, for example, to Ground Investigation).

Activity 21/01: Impact of COVID-19 on I&M

Activity 21/02: Sustainability in I&M

Activity 21/03: I&M Data Format

Activity 21/04: I&M Education, Training, and Qualifications

Activity 21/05: A Training Guide for I&M Practitioners

Activity 21/06: A Client Guide to Instrumentation and Monitoring

