



Measurement Special Interest Group Newsletter November 2022

Dear InstMC Member

Here is your update on our recent activities to promote the importance of high-quality measurement and evidence-based decision making.

Measurement is at the centre of what the InstMC stands for. The dedicated Measurement Special Interest Group (M-SIG) provides direction and leadership in the area of Measurement – primarily through active Working Groups.

Please read on to find updates from each active working group:

- (a) **Marketing Measurement** - raising the profile of precision measurement
- (b) **Metrology as a Career** - increasing awareness of metrology as a valuable career path
- (c) **Technology Transfer** - improving technology transfer into and across industrial markets.

Any comments, feedback, or expressions of interest – please feel free to get in touch with the Chair, Jeremy Stern, at Measurement.SIG@instmc.org.

Thank you for expressing an interest in the InstMC Measurement SIG!

MARKETING MEASUREMENT

This working group exists to raise awareness of the importance of accurate measurement in everyday and industrial settings. Recently this has focussed on attending events (such as the 2022 Water, Wastewater and Environmental Monitoring (WWEM) conference) and creating articles for the Precision readership.



Trevor Thompson gave a talk on measurement uncertainty at the WWEM conference (*see image above*), alongside other SIG speakers, and the InstMC promoted professional registration.

Look out for Trevor Toman's article on 'Digital Twins' and their importance in long-term Digital Transformation in the December 2022 edition of Precision – and note that Trevor Thompson is always looking for new questions to answer in his newly renamed column 'Measurement Quality Matters: Ask Trevor'. These can be submitted by emailing questions@bestmeasurement.com.

The group's activities, supporting the creation of a national skills framework, has resulted in a new SIG - the National Metrology Skills Alliance (NMSA). The NMSA are currently alpha testing a competency standard for professional metrologists which will move to beta testing early next year. Keep an eye on Precision in early 2023 to see how you and your organisation can get involved. More detail about the NMSA can be found at

https://www.instmc.org/sigs/national_metrology_skills_alliance.

METROLOGY AS A CAREER

Whilst we are all clear that we need the future engineering workforce to embrace metrology in their careers, we are actually surprisingly poorly equipped to articulate the opportunities available, and to encourage the study and practice of metrology.

This Working Group is drawing together people invested in the future of metrology to examine such questions as: How will metrology be used in the future? What skills and knowledge will be required of the people designing and using measurement systems? What do current metrologists get out of working in this area? What are the prospects for someone with a metrology skill set? In short, whether you plan to focus on metrology or just use it as part of a wider engineering role, why should you invest time in it and how can you use it to develop a rewarding career?

If this is something you are passionate about, please get in touch by emailing Measurement.SIG@instmc.org



TECHNOLOGY TRANSFER

As part of this Working Group's ongoing agenda, members have undertaken some research into what enables and what hinders a technology's journey through the TRL scale – transforming new technology from benchtop to industrial product. Further work is being done to take the information and put it into a presentable form. Once complete, this will be presented to an open forum and ways to address the barriers will be explored.

Interestingly, a new government department, the Government Office for Technology Transfer (GOTT), was announced at the end of April. This will support the way government manages and commercialises its estimated £104 billion worth of knowledge assets. They have recently posted news stories at <https://www.gov.uk/government/organisations/government-office-for-technology-transfer>.
