

The PGI's
9th Annual Conference
Measurement for Everyday Life



Strathclyde Technology
 Innovation Centre
 99 George Street
 Glasgow
 G1 1RD

AGENDA

11 Nov	DAY ONE - The Power of Research
9:00	Registration & coffee
9:30	Opening remarks <i>Dr Peter Thompson, CEO, National Physical Laboratory</i>
9:45	Welcome <i>Prof. Stephen McArthur, University of Strathclyde</i>
10:00	Keynote From Measurement to Market: the role of the Regulatory Innovation Office <i>The Rt Hon Lord David Willetts</i>
10:30	Break
Theme 1: Crossing Research Boundaries Chaired by Cameron Yeo	
10:45	Quantification of scattering in water-oil emulsions <i>Reehab Jahangir, University of Strathclyde</i>
11:00	2 Minute Silence for Remembrance Day
11:02	Evaluating force field and water model effects on CO2 adsorption predictions for direct air capture using metal-organic frameworks <i>Khadija Asif, University of Strathclyde</i>
11:15	Hydrogen production from waste biomass conversion using polyoxometalates/metal salt redox mediators <i>William Johnson, University of Strathclyde</i>
11:30	Engineering self-healing hydrogels using coiled-coil peptides for 3D disease modelling <i>Maryana Baran, King's College London</i>
11:45	Keynote Advancing public health through evidence and measurement: communicating complexity through interdisciplinary and cross-sector collaborations <i>Prof. Linda Bauld, The University of Edinburgh</i>
12:15	Lunch

Theme 2: Supporting a Healthier Society Chaired by Lewis Walker	
13:15	Developing acoustic metamaterials to tackle the hidden epidemic of noise pollution <i>Christopher Barrett, University of Strathclyde</i>
13:30	Towards complete decay spectroscopy of medical imaging isotope ^{152}Tb <i>Ed O'Sullivan, University of Surrey</i>
13:45	Designing a metrological phantom for quantitative X-ray phase contrast imaging assessment <i>Genevieve Jenking-Rees, University College London</i>
14:00	Enabling particle complex refractive index measurements in liquid dispersions for real world applications <i>Matt Jacobs, University of Bristol</i>
14:15	Poster Session
Theme 3: Building Trust in a Digital Future Chaired by Lewis Walker	
15:15	Hybrid semiconductor-superconductor systems for quantum applications <i>Euan Parry, University of Strathclyde</i>
15:30	Mind the gap between theoretical and practical security in quantum communications <i>Jenny Bartlett, University of York</i>
15:45	Combining altimetry and digital elevation models to map antarctic peninsula glacier evolution <i>Romilly Close, Lancaster University</i>
16:00	Evaluating the dissemination of an atomic frequency standard, via fibre, for applications in modern telecommunications <i>Euan Gillan, University of Strathclyde</i>
16:15	Alumni Panel Q&A Session From PhD to Profit: Discuss Research Commercialisation with PGI Alumni
16:45	Awards Ceremony <i>Dr Peter Thompson, CEO, National Physical Laboratory</i>
17:00	Free time
18:30	Arrival at Citation
19:00	Civic Reception hosted by the Rt Hon Lord Provost of Glasgow Councillor Jacqueline McLaren

19:30	Conference Dinner and Ceilidh
23:00	Guests depart

12 Nov	DAY TWO - Empowering the next generation Chaired by Khadija Asif
9:00	Arrival & coffee
9:30	Keynote The Advancing Capability of CubeSats for Science and Measurement Technologies <i>Prof. Craig Clark, University of Strathclyde</i>
10:00	Talks from our sponsors
10:20	Break
10:35	Interactive Workshop: From Setbacks to Breakthroughs
12:30	Keynote Not Everything That Counts Can Be Measured, Not Everything Measured Counts <i>Dr Ilana Wisby</i>
13:00	Closing Remarks <i>Dr Richard Burguete, PGI Director</i>
13:15	Lunch
14:15	Glasgow iconic murals walking tour (optional)
15:30	END