

Precision Measurement

This multi-disciplinary one-day conference will cover all aspects of precision measurement across all physical domains, highlighting the fundamental commonality of techniques and challenges in precision measurement

Programme

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| 08.30-09.00 | Registration & refreshments | |
| 09.00-09.10 | Welcome Address | Prof Andy Harvey, Director of CDT Integrative Sensing & Measurement & Chair of Experimental Physics, University of Glasgow |
| 09.10-09.30 | University Presentation: | <i>Precision Interferometers</i> Dr. Henry Ward, School of Physics & Astronomy, University of Glasgow |
| 09.30-09.50 | Keynote #1: | <i>Precision Measurement in Astronomy</i> Colin Cunningham, Royal Observatory, Edinburgh |
| 09.50-10.10 | University Presentation: | <i>TBC</i> Dr. Paul Dalgarno, Institute of Biological Chemistry, Biophysics & Bioengineering, Heriott Watt University |
| 10.10-10.30 | Refreshments & Networking | |
| 10.30-11.15 | Breakout Session #1 | |
| 11.15-11.35 | University Presentation: | <i>Feature Detection and Classification in Noisy Data</i> Dr. Ik Siong Heng, School of Physics & Astronomy, University of Glasgow |
| 11.35-11.55 | University presentation: | <i>3D Microscopy</i> Dr. Guillem Carles, School of Physics & Astronomy, University of Glasgow |
| 11.55-12.15 | University Presentation: | <i>Quantitative Thermal Scanning Microscopy</i> Prof. Jonathan Weaver, School of Engineering, University of Glasgow |
| 12.15-12.35 | University Presentation: | <i>Developing a Field Prototype Precision Gravimeter</i> Prof. Giles Hammond, School of Physics & Astronomy, University of Glasgow |
| 12.35-13.30 | Lunch & Networking | |
| 13.30-14.15 | Breakout Session #2 | |
| 14.15-14.35 | University Presentation: | <i>TBC</i> Dr. Robert Henderson, CMOS Sensors & Systems Group, University of Edinburgh |
| 14.35-14.55 | University Presentation: | <i>Picosecond Timing with the Radio Frequency Photomultiplier</i> Dr. John Annand, School of Physics & Astronomy, University of Glasgow |
| 14.55-15.15 | | <i>TBC</i> <i>Ian Reid, CENSIS, CEO</i> |
| 15.15-15.45 | Refreshments & Networking | |

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| 15.45-16.05 | University Presentation: | <i>Retrodiction: a Bayesian Approach to Poisson Noise and Precision in Image Analysis</i> Dr. Matthias Sonneleiter, School of Physics & Astronomy, University of Glasgow |
| 16.05-16.25 | University Presentation: | <i>High Resolution Mass Spectrometry: A Tool for Intra-Molecular Isotope Distribution Measurements</i> Dr. Matthieu Clog, SUERC |
| 16.25-16.50 | University Presentation: | <i>TBC</i> Dr. Donald MacLaren, School of Physics & Astronomy, University of Glasgow |
| 16.50-17.00 | Closing Remarks | Prof Andy Harvey, Director of CDT Integrative Sensing & Measurement & Chair of Experimental Physics, University of Glasgow |