

## Single Photon Workshop (SPW2024)

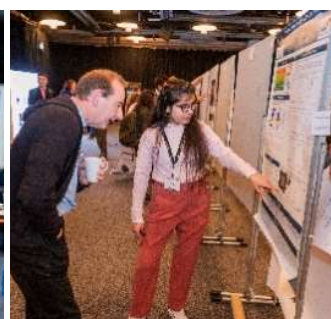
Edinburgh, Scotland, 18<sup>th</sup>-22<sup>nd</sup> November 2024

*The 11<sup>th</sup> international Single Photon Workshop (SPW2024) took place at the Edinburgh International Conference Centre (EICC), Glasgow, Scotland from Monday 18<sup>th</sup> to Friday 22<sup>nd</sup> November 2024. It was a great pleasure to welcome the global single photon research and industry community to Scotland. The conference attracted 491 delegates from 26 countries.*



**SPW2024 Venue** *Edinburgh International Conference Centre (EICC) Strathblane Auditorium. Right: invited speaker Dr Aurora MacCarone, Heriot-Watt University.*

At the fundamental level light is comprised of packets of energy known as photons. The Single Photon Workshop was founded in 2003 as a specialist meeting for this research community. Due to the rapid scientific progress in this field and follow through into important application areas, SPW2024 is now a major international conference. The SPW2024 conference programme featured 20 international invited speakers and 91 oral presentations in total. It was a pleasure to highlight the work of leading world experts and talented early career researchers in our vibrant field. Topics covered included Single Photon Metrology, Quantum Networks, Single-Photon Sources, Entangled Photon Sources, Quantum Communications, Integrated Quantum Photonics, Superconducting Photon Detectors, Single Photon Avalanche Diodes and Single Photon Imaging & Sensing. We were delighted to feature the innovative QuanTour single-photon source scientific exchange and outreach initiative. A special memorial session honouring our late friend and expert colleague Dr Sae Woo Nam (US National Institute of Standards and Technology) also took place. We are grateful to the EICC staff for providing excellent real time closed captioning throughout the oral sessions in the Strathblane auditorium – a step change in engagement and accessibility for scientific conferences.



**SPW2024 Exhibition** *Engaging industry exhibits and lively poster discussions in the EICC Cromdale Suite.*



**SPW2024 Social Programme** *Gala Dinner and Ceilidh at Our Dynamic Earth, Edinburgh. Attendees were welcomed by superb bagpipe playing by Dr Stirling Scholes, Heriot-Watt University.*

The SPW2024 scientific poster session and the SPW2024 industry exhibition were co-located with refreshments in the EICC Cromdale suite. The poster session (sponsored by the UK National Physical Laboratory) featured 231 excellent poster contributions. We thank OptoElectronic Components for sponsoring refreshments. The industrial presence was impressive: 48 organisations exhibited across 35 stands. We are especially grateful to our Platinum Sponsors: Picoquant, Micro Photon Devices, Quantum Opus, ID Quantique PhotonSpot and QuantIC. We also thank Visit Britain for valuable support. There was also a lively social programme. On the first evening of SPW2024 there was an exhibitor whisky tasting sponsored by Photon Force. Delegates sampled four different drams from the Port of Leith Distillery. On the final evening of SPW2024 the Gala Dinner took place at Our Dynamic Earth, Edinburgh, with bagpipes and traditional Scottish Ceilidh dancing. The city of Edinburgh was at its wintry finest, with the Princes Street Christmas Fair underway and illuminations at Edinburgh Castle. We are tremendously grateful to everyone who supported and participated in a unique and memorable conference!



**SPW2024 Local Organizers** *Many thanks to all and especially our excellent student volunteers!*

**Robert Hadfield (University of Glasgow)**

**Gerald Buller (Heriot-Watt University)**

SPW2024 co-chairs

January 2025

[www.spw2024.org](http://www.spw2024.org)

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