

DRAFT PROGRAMME

Photonic Quantum Technologies Visit to Scotland

21-24 May 2024

** All parts of the programme are preliminary and thus subject to change*

Tuesday 21 May | – Netherlands/Glasgow

	Travel to Glasgow from The Netherlands on own accord
	Arrival + Check-in at Hotel (Recommended:....)
18.30-19.00	Travel to the restaurant/pub on own accord.
19.00-21.00	Briefing & Welcome dinner (offered by Netherlands Innovation Network UK)
21.00-21.30	Travel back to hotel on own accord.

Wednesday 22 May | – Glasgow

	Breakfast on own accord
	Assemble in hotel lobby + Travel to James Watt Nanofabrication Centre, University Ave, Glasgow, G12 8QQ
	Visit James Watt Nanofabrication Centre (JWNC) and Kelvin Nanotechnology (KNT) The JWNC is a 1200m2 cleanroom at the University of Glasgow which houses over £35M of state-of-the-art fabrication and metrology equipment. It is one of the leading centres of research and international collaboration in micro and nanofabrication technologies undertaking fundamental, applied and commercial research, and small industrial prototyping and production runs. Specific application areas include environmental and biological sensing; imaging and ranging; internet, communication and data storage; space and quantum technologies KNT is an internationally recognised provider of advanced photonics and quantum components. They are an established comprehensive photonic fabrication service provider for diverse market sectors and a qualified supply chain partner for multiple global product lines. As one of the first suppliers of miniaturised quantum components in the market, they produce 3D ion traps, grating MOTs, MEMS gravimeters and specialist DFB lasers for international partners and customers.
	Lunch
	Travel to the Mazumdar-Shaw Advanced Research Centre (ARC), 11 Chapel Lane, University of Glasgow, G11 6EW

Visit **Mazumdar-Shaw Advanced Research Centre (ARC)**

The **ARC** is the home of collaborative research, innovation and discovery at the University of Glasgow. The ARC co-locates diverse research teams and ideas in an innovative space, designed to stimulate cross-disciplinary activities by removing disciplinary and organisational structures and external barriers. Research in the ARC will be initially focused around five thematic areas: Creative Economies and Cultural Transformation, Digital Chemistry, Global Sustainable Development, **Quantum and Nanotechnology**, Technology Touching Life.

Quantum and Nanotechnology – bringing together researchers from engineering and science and collaborating with health, energy and security sectors, Glasgow will be the go-to-place for research in quantum imaging and sensors.

Travel back to hotel/Dinner on own accord

Thursday 23 May | – Glasgow/Edinburgh

Breakfast on own accord

Check out + Assemble in Hotel Lobby

Travel to West of Scotland Science Park, Kelvin Campus, Glasgow, G20 0SP

Visit **M Squared Lasers/Coherent Scotland/Vector Photonics**

M Squared Lasers are a leading developer of photonics and quantum technology, serving scientists, cutting-edge corporations and top universities.

Coherent is a global leader in materials, networking, and lasers for the industrial, communications, electronics, and instrumentation markets.

Vector Photonics produces PCSEL-based, III-V semiconductor lasers. The company is a spin-out from the University of Glasgow.

Lunch

Travel to Technology & Innovation Centre, 99 George Street, Glasgow, G1 1RD

Visit **Fraunhofer Centre for Applied Photonics (CAP) + Alter Technology TUV Nord Photonics Design Centre**

Fraunhofer CAP, is a world-leading centre in the field of applied laser research and development. It develops lasers and optical systems for applications including energy, security, environment, sensing, space, lifesciences and quantum technologies.

Alter Technology TUV Nord has opened a **Photonics Design Centre** in Glasgow to accelerate the commercialisation of photonic products into quantum technology and space markets.

The Design Centre will focus on supporting the Group's development of highly integrated, miniaturised and robust photonic products to be used in the Quantum enabled Positioning, Navigation and Timing Systems and Photonic based Satellite optical communications.

Networking reception (including food) at Technology and Innovation Centre (TIC), Strathclyde University (**Technology Scotland/Photonics Scotland** and **CSA Catapult Scotland** are also based here)

Travel to Edinburgh by train (approx. 1 hour)

Check-in at Hotel (Recommended:...)

Friday 24 May | –Edinburgh/Netherlands

Breakfast on own accord

Checkout + Assemble in hotel lobby

Travel to Leonardo UK, Crewe Toll, 2 Crewe Road North, Edinburgh, EH5 2XS

Visit **Leonardo UK**

Leonardo is one of the UK's leading aerospace companies and one of biggest suppliers of defence and security equipment to the UK MOD.
Leonardo's Edinburgh site employs approximately 1,800 employees who specialise in the provision of multi-role surveillance radars and countermeasure systems. It produces world leading technology, including lasers for the US Army's Apache helicopter, CAPTOR radar for the Typhoon, the Osprey radar for Norway's all-weather search and rescue helicopters (NAWSARH), the Seaspray Radar for the US Coast Guard, and the Raven radar for Saab's Gripen Fighter aircraft.

Lunch

Travel to STMicroelectronics, 1 Tanfield, First Floor, Edinburgh, EH3 5DA

Visit **STMicroelectronics**

STMicroelectronics is a global semiconductor company. As an Integrated Device Manufacturer (IDM), they invest in their proprietary technologies and extensive manufacturing footprint. They design, produce, and deliver their products, providing customers with the expertise, supply security and quality they need.

Travel to Edinburgh City Centre

Debrief

Departure on own accord.

Possible other locations:

- Thales UK
- Skylark Lasers
- Herriott-Watt University (The Institute of Photonics and Quantum Sciences (IPAQS))
- Centre for Doctoral Training in Applied Photonics
- University of Edinburgh (Quantum Software Lab?)