

Brum in Space:

Research strengths, facilities and
collaboration opportunities

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**MICROWAVE INTEGRATED
SYSTEMS LABORATORY**

Research strengths

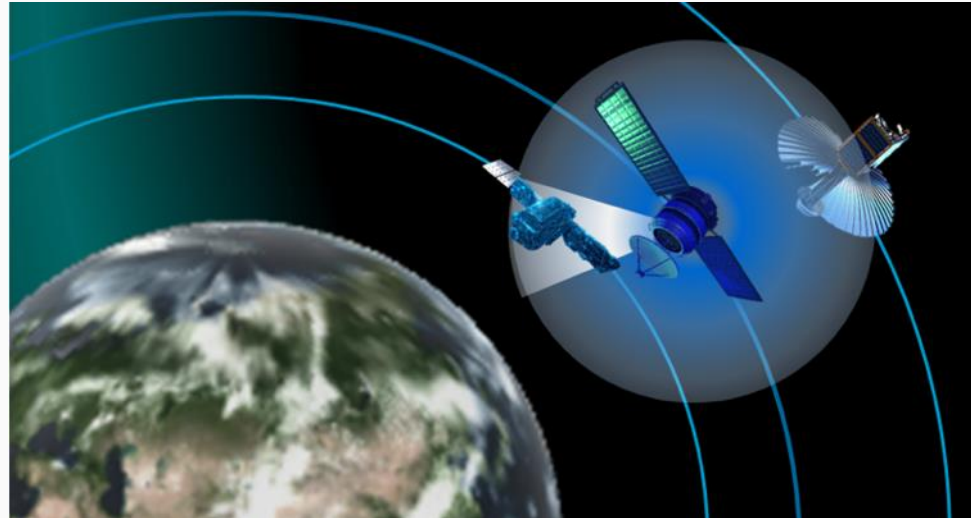
Space Weather / Ground-based SDA

<https://serene.bham.ac.uk>



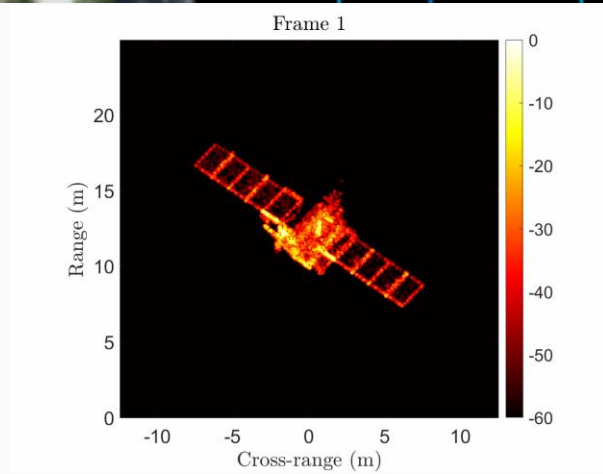
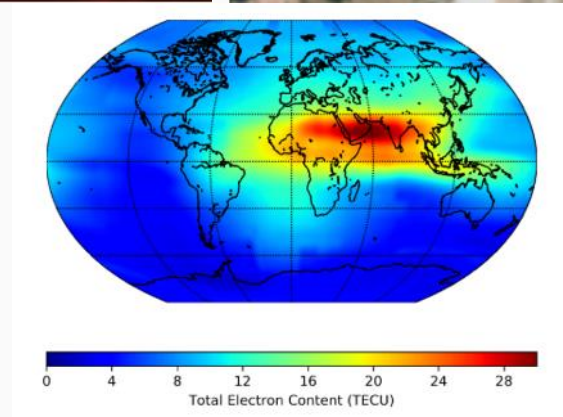
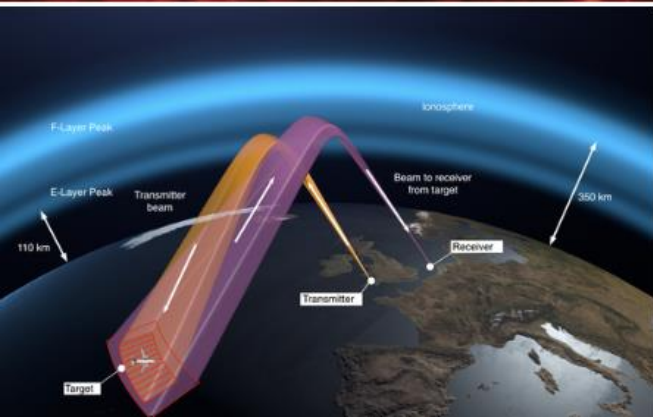
Space Radar / Space-based SDA

<https://bham.ac.uk/sda>



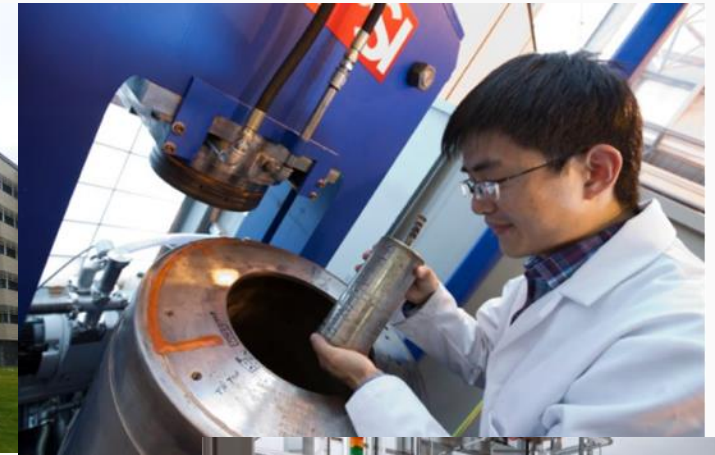
Quantum Technologies

LinkedIn: <http://bit.ly/4eNEulb>

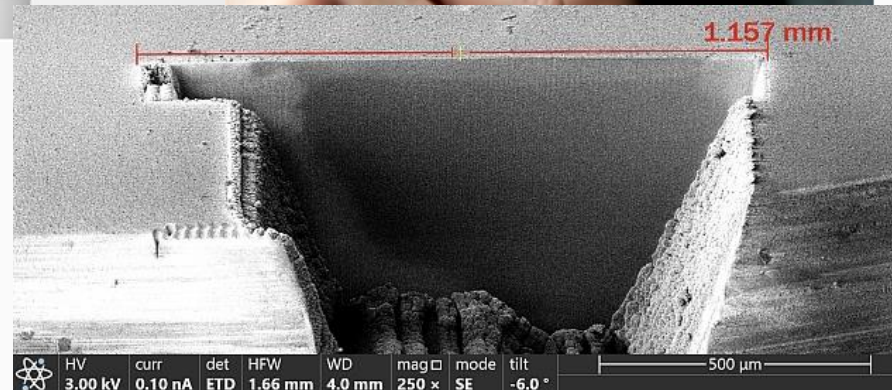
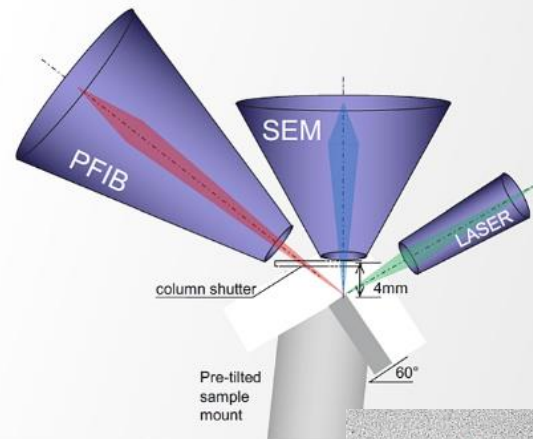


Research facilities

Additive manufacturing
Materials characterization



<https://www.birmingham.ac.uk/facilities/electron-microscopy>



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Research facilities

Satellite assembly, integration and verification
Emerging device technologies (EDT)
Anechoic chamber suite
Terahertz Vector Network Analyser measurement



<https://www.birmingham.ac.uk/research/activity/eese/communications-sensing/communications-electromagnetics>

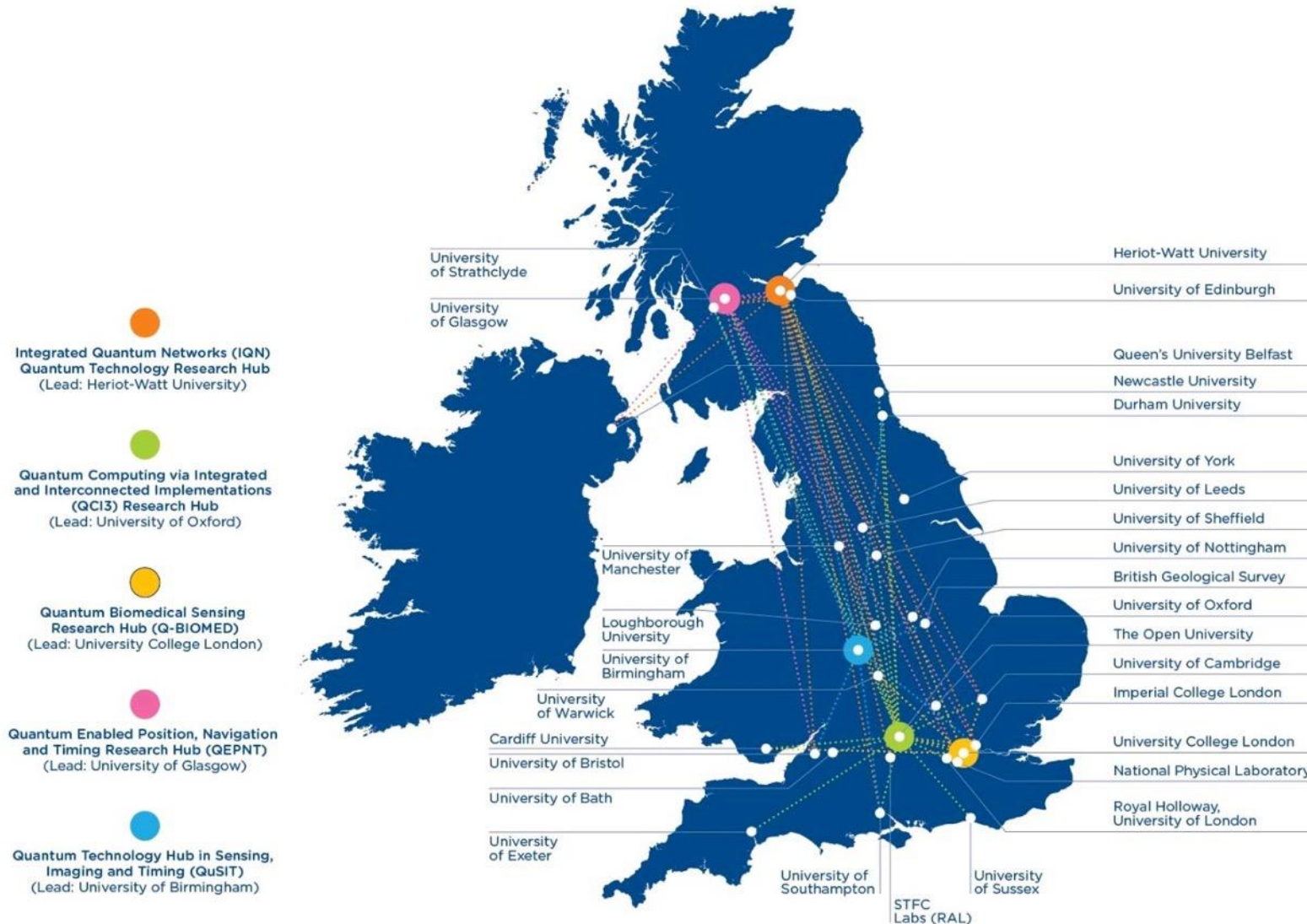


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Starting 1/12/2024: UK National Quantum Technologies Programme





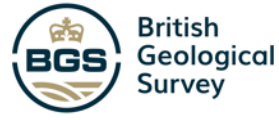
UK Quantum Technology Research Hub in Sensing, Imaging and Timing



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Prof Kevin Weatherill



Dr Yoann Altmann
Prof Jonathan Leach
Prof Mehul Malik
Dr Aurora Maccarone
Prof Steve McLaughlin



Dr Nathan Gemmell
Prof Rupert Oulton
Prof Chris Phillips

Who we are



Prof Richard Bowtell
Prof Matthew Brookes
Prof Mark Fromhold
Prof Lucia Hackermuller
Dr Peter Hobson
Prof Melissa Mather
Dr Lyudmila Turyanska
Prof Ricky Wildman



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Dr Rex Bannerman
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UK Quantum Technology Research Hub in Sensing, Imaging and Timing

Focus on **economic growth** for the UK from QT

More than **30** industry partners, and **>50** industry-supported studentships

Interdisciplinary expertise from researchers across **11** institutions

Commercial exploitation with **3** current spin-out companies



Starting 1st December 2024



Collaboration opportunities

- University of Birmingham facilities access
- Applications for funding
 - UKRI standard grants and specific calls
 - Innovate UK Smart Grants (industry-led with academic support)
 - Impact Acceleration Accounts (UKRI funding, but distributed internally by academic institutions)
 - UKSA and ESA calls

Get in touch! We want to work with you. 😊



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