

# EPSRC Impact Acceleration Account Projects 2022-25

Round	Year	Stream	Title	PI Surname	PI First Name	Department
1-c	Jun-22	Partnership	AI for GNC with Airbus/ESA - Extension	Abate	Alessandro	Computer Science
1-c	Jun-22	Doctoral Impact	Cutomising / Enhancing the thermomechanical performance of Shape Memory Alloy for deployable structures	Korsunsky	Alexander M	Engineering Science
1	Jun-22	Technology	Design of integrated filtering solutions for space communications	Bakr	Mustafa	Physics
1	Jun-22	Technology	Covert Communication for National Security	Coon	Justin	Engineering Science
1	Jun-22	Technology	Autonomous Inspection for Environmental Impact and Sustainability Monitoring	Hawes	Nick	Engineering Science
1	Jun-22	Technology	Microfluidics-driven technologies for rapid detection of antimicrobial resistance in the clinic	Kapanidis	Achillefs	Physics
1	Jun-22	Technology	Carbon Nanotube based conductive films	Riede	Moritz	Physics
1	Jun-22	Doctoral Impact	Label-free Biosensors of Troponin I Protein Functionalised by Electrohydrodynamic Printing	Bhaskaran	Harish	Materials
1	Jun-22	Partnership	Digital Underground Construction	Byrne	Byron	Engineering Science
1	Jun-22	Doctoral Impact	Digital risk assessment for medical technology	Bergmann	Jeroen	Engineering Science
1	Jun-22	Doctoral Impact	Harnessing data from water 'ATMs' to improve community health in rural Kenya	Thomson	Patrick	Social Science
1	Jun-22	Impact Workshop	Pre-heating methods for re-entry spacecraft - workshop	Hermann	Tobias	Engineering Science
1	Jun-22	Impact Workshop	Superconducting solutions to global challenges	Speller	Susannah	Materials
1	Jun-22	Partnership	Deep learning to improve the diagnostic potential of fetal brain ultrasound	Namburete	Ana	Computer Science

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N/A	Jun-22	Doctoral Impact	Accelerating the implementation of double wall cooling technology in high pressure turbine blades	Ireland	Peter	Engineering Science
N/A	Jun-22	Partnership	What future use for O&G data in the energy transition? AI applications to build climate & energy resilience.	Bertoni	Claudia	Earth Sciences
2	Oct-22	Partnership	Fetal and neonate health in vaginal labour: translation from research to industry and clinical practice	Jerusalem	Antoine	Engineering Science
2	Oct-22	Partnership	Translation of numerical methods for a zero-carbon future into industry	Leach	Felix	Engineering Science
2	Oct-22	Partnership	User-oriented information on tropical cyclones and water cycle extremes for the climate and disaster risk management	Obertsteiner	Michael	Social Science
2	Oct-22	Partnership	SnapperGPS: Open Hardware and Software for Energy-Efficient, Low-Cost Wildlife Tracking	Rogers	Alex	Computer Science
2	Oct-22	Partnership	Drop Oscillations for Measuring Dynamic Surface Tension	Vella	Dominic	Mathematical Institute
2	Oct-22	Doctoral Impact	Polymer crystallization in melt-processable PVA	Assender	Hazel	Materials
2	Oct-22	Doctoral Impact	Materials qualification of a new process for manufacturing high temperature superconducting bulks	Speller	Susannah	Materials
2	Oct-22	Impact Workshop	Oxford Workshop on Chemical energy storage of renewable energy	Nie	Binjian	Engineering Science
2	Oct-22	Technology	ScanLite: Infrastructure-free ultrasound reconstruction fusing image processing and deep inertial tracking	Mellon	Stephen	Medical Science
2	Oct-22	Technology	Beamsteering for optical wireless	O'Brien	Dominic	Engineering Science
2	Oct-22	Technology	Transition of insect tracking system to licensable product	Stevens	Christopher	Engineering Science

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3	Feb-23	Partnership	Development of a novel generation of superconducting wires for zero-emission transport applications	Grovenor	Chris	Materials
3	Feb-23	Partnership	Preparing the Reduce Digital Distraction (ReDD) Workshop for Impact across the UK higher education sector	Shadbolt	Nigel	Computer Science
3	Feb-23	Partnership	Algorithm structure regularisation for x-ray spectroscopy with Diamond Lightsource.	Tanner	Jared	Mathematical Institute
3	Feb-23	Doctoral Impact	Polyolefin technology transfer	O'Hare	Dermot	Chemistry
3	Feb-23	Technology	Remote Eyes: Robotic Inspection of Nuclear Facilities	Fallon	Maurice	Engineering Science
3	Feb-23	Technology	Femtosecond Perovskite Lasers	Johnston	Michael	Physics
4	May-23	Partnership	Partnerships for market evaluation of novel liquid crystal devices	Booth	Martin J	Engineering Science
4	May-23	Partnership	Advanced Anaerobic Digestion: Accelerating biogas production rates with a novel pre-processing technology	Thompson	Ian	Engineering Science
4	May-23	Partnership	Multi-hazard risk assessment for infrastructure / ground engineering projects	Walker	Richard	Earth Sciences
4	May-23	Doctoral Impact	Cryogenic parametric amplifiers using carbon nanotube-based devices	Ares	Natalia	Engineering Science
4	May-23	Doctoral Impact	MuFFiN: A software package for models of Multiscale Fluid Flow in Networks.	Griffiths	Ian	Mathematical Institute
4	May-23	Doctoral Impact	Active' insulating system: Ceramic fibrous aerogel extinguishers	Grobert	Nicole	Materials
4	May-23	Doctoral Impact	In-silico trials for patient-specific selection of atrial fibrillation treatment	Rodriguez	Blanca	Computer Science
4	May-23	Technology	PicoOven: Ultra-compact atomic source for quantum technology applications	Goodwin	Joseph	Physics
4	May-23	Technology	Open-source convex optimization on GPUs	Goulart	Paul	Engineering Science
4	May-23	Technology	Developing a robust large-volume prototype sonochemical reactor for CO2 reduction reactions	Kwan	James	Engineering Science
4	May-23	Technology	Robust and low-cost cavity-enhanced chemical sensors	Smith	Jason M	Materials
4	May-23	Technology	Next generation polycrystalline diamond	Todd	Richard	Materials