

EPSRC Impact Acceleration Account Projects 2017-2020

Round	Year	Stream	Title	PI Surname	PI First Name	Department
1	Mar-17	Partnership	Smart optics for satellite instrumentation	Booth	Martin	Engineering Science
1	Mar-17	Technology	“Smart” materials vs thermally-insulating hybrids for regulating building temperature	Edwards	Peter	Chemistry
1	Mar-17	Technology	Scaling up nanoparticle sensors based on open microcavities	Smith	Jason	Materials
1	Mar-17	Partnership	Biosolenoid for tissue engineering and drug discovery applications – mechanobiological force control for bioreactors	Thompson	Mark	Engineering Science
2	May-17	Partnership	Technologies to achieve healthier contact-sport participation	Bergmann	Jeroen	Engineering Science
2	May-17	Technology	A simple miniature epi-illuminator to integrate four advanced light microscopy techniques	Berry	Richard	Physics
2	May-17	Technology	Next generation computer memories – using light to store data	Bhaskaran	Harish	Materials
2	May-17	Partnership	Advanced Modulation for Spectrally Efficient Communication	Coon	Justin	Engineering Science
2	May-17	Partnership	Translation of advanced X-ray radiography techniques for investigating extreme material deformation.	Eakins	Daniel	Engineering Science
2	May-17	Technology	Ratiolytics: a rule-based AI system for reasoning, data wrangling and analytics	Gottlob	Georg	Computer Science
3	Aug-17	Technology	Developing a new UK solar industry standard for the calculation of residential solar photovoltaic selfconsumption	Darby	Sarah	SOGE
3	Aug-17	Technology	An extremely monoenergetic ion beam by photoionisation of xenon atoms	Foot	Chris	Physics
3	Aug-17	Partnership	Secondment to the National Infrastructure Commission to embed EPSRC-funded research in the National Infrastructure Assessment.	Hall	Jim	SOGE
3	Aug-17	Technology	High-security authentication labels	Kirkland	Angus	Materials
3	Aug-17	Technology	Single Molecule Imaging Mass Spectrometry (SMIMS)	Kukura	Philipp	Chemistry

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3	Aug-17	Technology	3D-SHM: A novel wireless sensor for monitoring critical civil infrastructure	Markham	Andrew	Computer Science
3	Aug-17	Technology	Advanced Process Control for Thin Film Technologies	Riede	Moritz	Physics
3	Aug-17	Technology	Temporal Mode Multiplexing for Telecommunication Networks	Saunders	Dylan	Physics
3	Aug-17	Partnership	KOALA: Kids Online Anonymity & Lifelong Autonomy	Shadbolt	Nigel	Computer Science
3	Aug-17	Partnership	Modelling retail store energy consumption for improved accuracy of consumption forecasting	Wallom	David	Engineering Science
4	Nov-17	Technology	Scale-up of metal-free catalysts synthesis for commercialization	Aldridge	Simon	Chemistry
4	Nov-17	Technology	A new class of therapeutic oligonucleotides	Brown	Thomas	Chemistry
4	Nov-17	Partnership	Portable extensional rheometer for the characterisation of complex fluids	Castrejon Pita	Alfonso A.	Engineering Science
4	Nov-17	Partnership	Compilation and cost-reduction of quantum computations via ZX-calculus	Coecke	Bob	Computer Science
4	Nov-17	Technology	Translating the Clinical Development of the First Small Molecule Probe of TB	Davis	Benjamin	Chemistry
4	Nov-17	Technology	Algorithms for Narrative Generation on Social Media	Grindrod	Peter	Mathematical Institute
4	Nov-17	Technology	Development of a nanoparticle-assisted high-throughput prototype system for chemical speciation measurements of trace elements (DIFFNAL)	Henderson	Gideon	Earth Sciences
4	Nov-17	Partnership	FakeNewsRank: A Ranking for Detecting Fake News on the Web	Lukasiewicz	Thomas	Computer Science
4	Nov-17	Technology	Laser Written Polymer Scaffolds for Flexible Liquid Crystal Displays	Morris	Stephen	Engineering Science
4	Nov-17	Technology	Monitoring nutrition in critically-ill patients	Ritchie	Grant A D	Chemistry
4	Nov-17	Technology	Migravision: a novel high-throughput screen for drugs affecting cancer cell migration	Szele	Francis George	DPAG
5	Feb-18	Partnership	Enabling the dry chemical analysis of radioisotopes using atom probe tomography	Bagot	Paul	Materials

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5	Feb-18	Technology	Percolation gas sensor demonstrator	Castell	Martin R	Materials
5	Feb-18	Technology	Crowdsourced Map Building for Disaster Response	Reece	Steven	Engineering Science
6	May-18	Technology	Ultrafast imaging mass spectrometry	Brouard	Mark	Chemistry
6	May-18	Partnership	Semi-automated Image Analysis for Histology	Byrne	Helen	Mathematical Institute
6	May-18	Technology	OPTICFLOCK: de-risking for market evaluation	Dawkins	Marian	Zoology
6	May-18	Doctoral Impact	Cold-atom source for commercial matter-wave gravimeters and other quantum technology instruments	Foot	Christopher	Physics
6	May-18	Technology	Feasibility study for the scale-up and automation of the Biopatch manufacturing chain	Mouthuy	Pierre-Alexis	NDORMS
6	May-18	Partnership	Ultrasound Targeted Combination Therapy for Pancreatic Cancer	Stride	Eleanor	Engineering Science
6	May-18	Partnership	Hip joint analysis and modelling tools	Voiculescu	Irina	Computer Science
6	May-18	Technology	Translating sulfoximine catalysis to the life science sector	Willis	Michael	Chemistry
7	Nov-18	Technology	Smart Glass Printing	Elston	Stephen	Engineering Science
7	Nov-18	Technology	Medium-Term Forecasting of Airport Passenger Numbers	Hauser	Raphael	Mathematical Institute
7	Nov-18	Technology	Augmented Reality Security Assistant	Martinovic	Ivan	Computer Science
7	Nov-18	Technology	Open Acoustic Devices: Bringing low-cost smart acoustic sensors to conservation professionals	Rogers	Alex	Computer Science
7	Nov-18	Technology	ECO Retrofit app	Darby	Sarah	SOGE
7	Nov-18	Partnership	Data Integration for Precision Method	Benedikt	Michael	Computer Science
7	Nov-18	Partnership	ELECTROCHEMICAL BACTERIA SENSOR	Compton	Richard	Chemistry
7	Nov-18	Partnership	High-Heat Flux Cooling Technology	Nicholas	Jack	Engineering Science
7	Nov-18	Partnership	High-sensitivity optical gas sensor for toxic vapours	Tan	Jin-Chong	Engineering Science
7	Nov-18	Partnership	Artificial intelligence for the management of weaning from mechanical ventilation in intensive care	Bergmann	Jeroen	Engineering Science

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7	Nov-18	Doctoral Impact	Decision-making tool for better use of lime mortar on traditional and historic buildings	Viles	Heather	SOGE
7	Nov-18	Doctoral Impact	Characterisation of thermal fluxes on satellite debris analogues	Ireland	Peter	Engineering Science
8	Mar-19	Technology	Autonomous Inspection for Solar Farms	Hawes	Nick	Engineering Science
8	Mar-19	Technology	Proof of Concept Study for the Implementation of Decentralized Green Ammonia Production Unit for Farmers	Tsang	Edman	Inorganic Chemistry
8	Mar-19	Technology	Smartphone authentication of high-security labels	Williams	Benjamin	Engineering Science
8	Mar-19	Technology	Automation of a T-cell expansion bioreactor	Ye	Hua	Engineering Science
8	Mar-19	Partnership	Bridging the gaps in 18F PET tracer development	Gouverneur	Veronique E B M	Chemistry Department
8	Mar-19	Partnership	Global Costs Of Strategic Telecommunication Strategies (Global-COSTS)	Hall	Jim	Environmental Change Institute
8	Mar-19	Doctoral Impact	Optimizing the performance of a conical ceramic membrane	Griffiths	Ian	Mathematical Institute
N/A		Technology	3D Printed Electromagnetic Materials	Grant	Patrick	Materials
N/A		Technology	CREST - C REference model Synthesis Tool: Datapath Formal Verification using CMBC for C Specifications	Melham	Tom	Computer Science
N/A		Doctoral Impact	Knowledge Transfer Ambassador - 1 (KTA - InFoMM CDT)	Beward	Chris	Mathematical Institute
N/A		Doctoral Impact	Knowledge Transfer Ambassador - 2 (KTA - InFoMM CDT)	Beward	Chris	Mathematical Institute
8	Mar-19	Workshop	Medical Device Regulation Impact Workshops	Bergmann	Jeroen	Engineering Science
8	Mar-19	Workshop	Application of Machine Learning to Spacecraft Systems	Simon	Jackman	MPLS
8	Mar-19	Workshop	Oxford Workshop on Flexible Federated Energy Systems	Thomas	Morstyn	Engineering Science
8	Mar-19	Follow on Fund	A new class of therapeutic oligonucleotides	Brown	Thomas	Chemistry