

Department of Science & Technology
International Division

An India-UKIERI Joint call for proposals under the collaboration between DST, India and UK India Education & Research Initiative (UKIERI) was announced in November 2018. In total 104 joint proposals were received against the Call for which last date was January 31, 2016. Based on scientific merit, national priority of both the countries and scientific strengths of the project coordinators, Department of Science & Technology, Govt. of India and UKIERI have jointly decided to support following **11** proposals. Project coordinators are being informed separately to complete administrative formalities for release of DST grant.

| Sl No | Area | Title | Indian Coordinator | UK Coordinator |
|--------------|------------------------|--|---|---|
| 1. | Waste Management | Concentrating Solar-Thermophilic Anaerobic Reactor for Municipal Solid Waste (COSTARMSW) | Prof.Virendra Kumar Vijay, Indian Institute of Technology Delhi (IITD) | Dr Harjit Singh, Brunel University London |
| 2. | Cyber Physical Systems | Developing Explainable Artificial Intelligence for Safety Arguments for Connected and Autonomous Vehicles | Prof Pallab Dasgupta, Indian Institute of Technology (IIT) Kharagpur | Siddartha Khastgir, University of Warwick |
| 3. | Waste management | Conversion of Wet Waste to Fuel and Value-Added Products using Hydrothermal Carbonization | Prof Anurag Garg, Indian Institute of Technology Bombay | Dr Andrew Ross, University of Leeds |
| 4. | Waste management | Waste to Engine - Low Temperature Combustion of Sustainable Green Fuels | Dr. Duraisamy Ganesh, Anna University | Dr Abul Hossain, Aston University |
| 5. | Cyber Physical Systems | Secure and Resilient Cyberphysical Systems | Prof. Joy Kuri, Indian Institute of Science | Dr. Shishir Nagaraja, University of Strathclyde |
| 6. | Cyber Physical Systems | Analysis of Human Action in Unconstrained Videos | Dr. Subhasis Chaudhuri, Indian Institute of Technology Bombay | Fabio Cuzzolin, Oxford Brookes University |
| 7. | Cyber Physical Systems | Development of Control and Power Electronics Schemes for a Smart Micro Grid with high penetration of PV Generation and Electric Vehicles | Prof. Bidyadhar Subudhi, National Institute of Technology Rourkela | Professor Ghanim A. Putrus, Northumbria University Newcastle |

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| 8. | Waste management | Recycling Lithium ion batteries for a sustainable technological and economic development (ReListed) | Dr. Surendra Kumar Martha, Indian Institute of Technology Hyderabad | Prof. Satheesh Krishnamurthy, Open University, The |
| 9. | Waste management | A New Framework of High-value Added Zero-waste Recycling of Concrete from Construction and Demolition Waste | Dr. Ravindra Gettu, Indian Institute of Technology Madras | Xiangming Zhou, Brunel University London |
| 10. | Cyber Physical Systems | CHARM: Context-aware Human Activity Recognition and Monitoring for intelligent vehicles | Dr R. Venkatesh Babu, Indian Institute of Science | Dr Ardhendu Behera, Edge Hill University |
| 11. | Cyber Physical Systems | Digital Twin Modelling for Automation, Maintenance and Monitoring in Industry 4.0 Smart Factory | Prof. Hrishikesh Venkataraman, Indian Institute of Information Technology (IIIT) Sricity | Dr. Huan X Nguyen, Middlesex University |