



**THE
DATA LAB**
value from data

Funded Industrial Doctorates

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Academic Partner	Industrial Doctorate Title	Industry Partner
University of Aberdeen	Object Detection and Scene Reconstruction from Underwater Sonar Images	Sonavision Ltd
University of Edinburgh	Robust Broadcast Speech Recognition Financial Health Check Developing a mathematical toolkit to detect changes in satellite/aerial image sequences	Quorate Technology Ltd Inbest Ecometrica
University of St Andrews	NHS Lothian Cancer Informatics Programme EngD Studentship Aggreko EngD Studentship Develop bespoke image feature detectors Efficient strategies for training deep neural networks	NHS Lothian and IHDP Aggreko Canon Medical Visualisation Systems Canon Medical Visualisation Systems
University of Strathclyde	Smart Hardware-embedded Data Processors for Rapid 3D Ranging & Imaging Predictive Analytics for Short-term Wind and Solar Power Forecasting	Photon Force Natural Power

University of Strathclyde and University of Aberdeen	Automated classification of ocean colour remote sensing for environmental monitoring and legislative compliance applications	Marine Scotland
Scottish Association for Marine Science	Dynamic spatial modelling and forecasting of sea lice abundances	Marine Harvest Scotland and Scottish Aquaculture Innovation Centre
Edinburgh Napier University	Design a smart system for pathogens detection using deep learning in bathing waters	The Scottish Environment Protection Agency (SEPA)
Heriot-Watt University	Multi-modal Concurrent Feedback in Spoken Dialogue Systems Effective authentication decisions from multiple data components generatiVe dEep neuRal networkS for interactiOn with autonomous systems (VERSO) Robust and Interpretable Machine Learning for Financial Risk (2 studentships) Machine learning and data mining development applied to photonics and image sensor characterization data	Wallscope Fortinet (formerly Zonefox) SeeByte Ltd Royal Bank of Scotland ST Microelectronics R&D UK Ltd

Glasgow Caledonian University	Deep Learning Algorithm Development for Anomaly Detection and Classification for Structural Condition Monitoring	Geckotech Solutions Ltd
Robert Gordon University	<p>Holistic, Data-driven, Service and Supply Chain Optimisation</p> <p>A dynamic systems theory approach to monitor, learn and influence critical events in football</p> <p>Employing Multi-Modal Sensors for Personalised Smart Home Health Monitoring</p> <p>ENDS: Explainability of Non-Deterministic Solvers (1)</p>	<p>British Telecom</p> <p>Scottish Football Association</p> <p>Albyn Housing Society Ltd</p> <p>British Telecom and ARR Craib</p>