



## FUNDED INDUSTRIAL DOCTORATES

TABLE 1. THE DATA LAB FUNDED INDUSTRIAL DOCTORATES

Academic Partner	Industrial Doctorate Title	Industry Partner
University of Aberdeen	Object Detection and Scene Reconstruction from Underwater Sonar Images Machine Learning and Expert based system for soft fruit yield forecasting	Sonavision Ltd  Angus Soft Fruits
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)  Condatis

Academic Partner	Industrial Doctorate Title	Industry Partner
	AI-based privacy-preserving biometric authentication with mass-market smart devices	
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  NatWest Group  ST Microelectronics R&D UK Ltd
Glasgow Caledonian University	Deep Learning Algorithm Development for Anomaly Detection and Classification for Structural Condition Monitoring	Previously Gekotech, seeking new industrial partner
Robert Gordon University	Holistic, Data-driven, Service and Supply Chain Optimisation A dynamic systems theory approach to monitor, learn and influence critical events in football Employing Multi-Modal Sensors for Personalised Smart Home Health Monitoring ENDS: Explainability of Non-Deterministic Solvers	British Telecom  Scottish Football Association  Albyn Housing Society Ltd  British Telecom
University of Stirling	ENDS: Explainability of Non-Deterministic Solvers (2) Trustable dapps on reliable blockchain technologies	British Telecom  Wallet Services
University of the Highlands and Islands	A 21st century approach to address the risk to Scottish	Marine Scotland

<b>Academic Partner</b>	<b>Industrial Doctorate Title</b>	<b>Industry Partner</b>
	aquaculture from harmful algal blooms	
University of the West of Scotland	Intelligent RADAR Perception to Improve the Safety of Autonomous Vehicles	Codeplay

If you require this document in an alternative format please contact The Data Lab, by email: [info@thedatalab.com](mailto:info@thedatalab.com) or telephone: 0131 651 4905