DCU
Ollscoil Chathair Bhaile Átha Cliath
Dublin City University

Excellent science and technology connecting

Information Technology and the Digital Society

☁	**Cloud Computing**
🌐	**Networks Communications and Smart Grid**
📊	**Information Systems & Data Analytics/Language Technologies**
📁	**Sensor Web Technologies**
🖼	**Image Process Analysis**
💻	**Modelling and Scientific Computing**
♥	**Health and Human Performance**

DCU is at the forefront in developing breakthrough solutions in Data Analytics and Big Data that are addressing the challenges of next generation ICT.

For new ideas and breakthroughs in ICT speak to DCU

We are working for organisations to:

✓ Fully exploit and analyse data across diverse sectors to enable improved decision making

✓ Address the challenges of Big Data in Industry 4.0

✓ Take the lead in IoT by translating your smart products and innovations into operational deployments

✓ Discover solutions in language and translation technologies

✓ Focus on innovations in engineering technologies that will support future Global ICT development

✓ Increase your business agility, operational efficiency and market reach using the cloud

Cloud Computing

– Business Models and Best Practice
– Cloud Applications
– Cloud Services Development and Architectures
– Security and Governance

Sensor Web Technologies

– Multimodal Media Analysis
– Human Interaction Analytics
– Real World Life-Logging
– Navigation of Digital Archives
– Personal Sensing
– Social Network Analysis

Networks Communications and Smart Grid

– Network Processor Design – Switching/Routing
– RF Propagation Modelling
– Mobile and Wireless Communication Performance
– Wireless Sensor Networks
– Quality-Oriented Adaptive Multimedia Delivery
– Adaptive Web-Based Systems

Image Process Analysis

– Vision Systems Engineering
– Quantitative Image Analysis
– Medical Image Analysis
– 3D Imaging/Computing Cluster
– Imaging (Acquisition) & Visualisation
– Prototyping Environment

Information Systems & Data Analytics/Language Technologies

– Localisation
– Digital Media
– Social Media Analytics
– Educational Media and Services
– Entertainment (eGames/eBooks)
– Service Interoperability & Consolidation
– Risk Analytics and Management
– Global Content Strategy
– Regulatory Compliance
– Fraud Detection and Avoidance
– Development of Reliable and Secure Software

Modelling and Scientific Computing

– Mathematical Model/Data
– Algorithm Design/Implementation
– Numerical Simulation/Data Mining
– Model Validation/Interpretation
– Computational Results Presentation

Health and Human Performance

– Sensor Data for Performance
– Energy Analysis for Interactive Gaming
– E-Diary Athlete Management
– Technology Assisted Patient Care

Work with DCU

We help solve your problems: We provide technologies, expertise and specialist services that help solve the challenges you face. We help you to leverage state funding to enhance your research and innovation capability. Our resources provide solutions to commercial firms, social enterprises, cultural organisations, NGOs and government departments. Contact us to see how we can help you.

For further information

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