Unlock the Potential of Collaborative FinTech Research
Industry Focus

ADAPT has significant commercial expertise having engaged with more than 140 companies in Ireland and beyond, ranging from indigenous start-ups to multinational enterprises.

Beyond Innovation

Our dedicated Design & Innovation Lab works with companies to bridge technology to commercial success. This industry motivated team allows ADAPT respond to industry driven timelines.

Commercial Licences

Responding to industry needs, ADAPT has developed an extensive range of commercialisation-ready technologies. These cutting-edge innovations have been developed based on a combination of social and economic trends, and on our industry partners’ needs.

The ADAPT Centre

The global centre of excellence for digital content technology. The ADAPT Centre, funded by Science Foundation Ireland, focuses on developing next generation digital technologies that enable seamless tech-mediated interaction and communication. ADAPT researchers are based in four leading universities: Trinity College Dublin, Dublin City University, University College Dublin and Dublin Institute of Technology.

Internationally renowned for its research expertise, ADAPT is working with industry partners in diverse fields to lead on state-of-the-art technological developments.

ADAPT has successfully mapped technical expertise to commercial success in a number of research areas including Machine Learning, Artificial Intelligence, Blockchain, Personalisation and Natural Language Processing.
Design and Innovation Lab

Our dedicated Design & Innovation Lab (dLab) aims to solve immediate business needs by leveraging the outputs of core research to generate commercial impact for ADAPT partners and clients.

The dLab is a unique feature of the ADAPT Centre and is flexible in responding to partners’ needs, by collaborating on short-term rapid prototyping or on tackling larger industry challenges.

Driven by Design Thinking practices, the team draws on the expertise of research engineers, designers and program managers working closely with researcher colleagues to develop impactful prototype solutions to industry problems.
FinTech: The Future of the Financial Sector

FinTech has huge disruptive power over the conventional Finance sector who are constantly seeking ways to innovate faster, deliver at scale and with high impact.

The ADAPT Centre is driving the FinTech research ecosystem in Ireland, spearheading the development of next-generation PayTech, RegTech and InsureTech technologies.

The ability to innovate is amplified when you bring industry and academia together to leverage the enabling technical competencies of the ADAPT Centre with the expertise of industry and FinTech-centric networks.

Unlock the Potential of Collaborative Research

Discover how collaborative research can benefit your business as we address challenges within RegTech, InsureTech and PayTech and explore the use of game changing technologies such as Blockchain and Artificial Intelligence in response to real business challenges.
FinTech Research

The ADAPT FinTech research will accelerate the impact of ICT technologies on **RegTech**, **InsureTech** and **PayTech** processes.

**RegTech**
We are exploring the impact of digital technologies to automate and advance policy adherence to regulatory compliance standards and to predict where and when risk breaches are occurring. ADAPT’s experts in AI and Natural Language Processing (NLP) are applying these technologies to Regulatory Compliance and Investment Analysis.

**InsureTech**
InsureTech disruption will come from technologies such as Distributed Ledger Technology, Robotic Process Automation and Big Data. By applying these technologies to Predictive Analysis and Risk Management, ADAPT are providing solutions to real world business problems.

**PayTech**
PayTech focuses on technology products and services that transform all aspects of payments, including consumer, peer-to-peer and business-to-business. ADAPT are combining financial research in Anti-Money Laundering, Regulatory Compliance and Risk Management, with state of the art technologies such as Blockchain and Machine Learning.
Unlock the Potential of Collaborative FinTech Research

ADAPT Innovations

Blockchain Research
Distributed Ledger Technologies for the Fintech and IoT Space.

Using Distributed Ledger Technologies and Machine Learning, ADAPT has a solution to the changes in the Fintech and IoT landscape.

• Store data directly from IoT devices onto an immutable ledger
• Mining and monitoring data on the blockchain with real-time alerts

Visualisation Dashboard
Design Interface for Dense Knowledge Base of Technologies.

Personalised Big Data visualisation dashboard with real-time linkage and filtering features.

• Web based application
• Automates Fraud Detection
• Increases fraud detection accuracy

Co-Developed with Deutsche Bank

Deutsche Bank

Co-Developed with Deutsche Bank
ADAPT Innovations

Novel Visualisation of Financial Data
Using Virtual Reality to explore confidential financial risk analysis
ADAPT’s VR application detects suspicious financial behaviour in real-time, securely.

- Visual representation of a large dataset
- Real-time activity monitoring and collaboration
- Secure authentication

Co-Developed with Deutsche Bank

Multilingual Chatbots
A specialised Neural Machine Translation system as intermediary between customer and chatbot.

- A chatbot service in multiple languages without the extra cost of developing a new bot for each language of interest
- A framework for localisation of Chatbots using Neural Machine Translation
- Named-Entity Recognition, Terminology Support and Translation Memory integrated in the MT component
- MT component as a web-service deployed on the cloud or on premise

Co-Developed with Deutsche Bank

ADELE Companion
A personalised Intelligent Companion.

- ADELE is a social conversational companion agent that converses with you naturally drawing information from your personal hub
  - Capable of engaged, yet natural and informed casual conversation
  - Explore your personal information hub through natural conversations
  - Generate contextualised interactions based on relevant personal information

ADELE

Holmes
Developed in collaboration with leading Irish insurance provider to conduct better investigations for insurance claims.

- Holmes is an easy-to-use solution that allows investigators include data from social media to generate a complete picture of the case
  - Web based application
  - Automates Fraud Detection
  - Increases fraud detection accuracy
ADAPT Innovations

ADAPT Next Generation Recommender
A collaborative, contextual and content-based recommender.
- Resistant to extreme cold-start contexts
- Exploits all the data that is available about users
- Generates personalised recommendations for hotel booking

Co-Developed with Ryanair

GDPR Ontology Representation
Using Semantic Web Technologies for assisting in GDPR compliance.
- GDPR consent management framework that records and queries all relevant metadata to help with modelling and demonstrating compliance in adherence to GDPR obligations.
- Track user consent and personal data in activities
- Check GDPR compliance over provenance of activities and data
- Data sharing agreements with Third Parties

Why Collaborate with ADAPT?
- Access to world-class research expertise across a range of fields
- Unique Design & Innovation Lab bridges research to commercial success
- Tailored funding model allows cost effective, flexible access to R&D
- Business focused team facilitates fast, flexible response to industry needs
- Connect to a team of highly skilled, industry ready PhD graduates

Our dedicated commercial team is committed to solving your FinTech challenges, contact

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