DCE Community Update June 2024
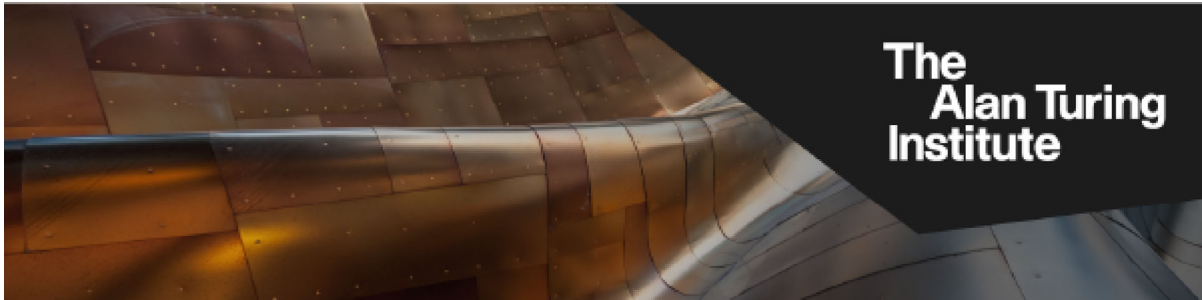
DCE Programme <dceprogramme@turing.ac.uk>

Fri 28/06/2024 12:30 PM

To:Alice Budden <abudden@turing.ac.uk>

DCE Community Update

June 2024

News

Report | Cyberattacks and UK's Offshore Wind

A newly published report by The Alan Turing Institute's Centre for Emerging Technology (CETaS) and Data-Centric Engineering (DCE) programme outlines how AI could play an important role in reinforcing the UK's offshore wind from cyberattacks.

Full Report

National Engineering Day 2024 | Nominate

your Engineering Role Model

The Royal Academy of Engineering are looking ahead to November's National Engineering Day, and asking the engineering community to nominate their role models! This is in an effort to inspire the next generation to take up a career in engineering and help celebrate the role engineers play in shaping the future.
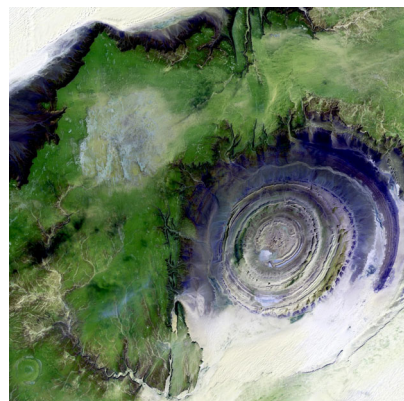
Nominate

Article | Don't Neglect the Cyber Risks

Kimberly Tam, DCE's Theme Lead for Marine and Maritime has published an article in the Shipping Network magazine highlighting the cybersecurity risks that should be addresses now that AI is playing an ever larger part in the Maritime industry.
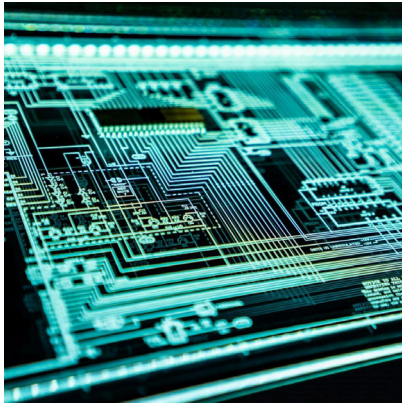
Read More

Events

Data Study Group

The Alan Turing Institute | September 2024

Data Study Group's (DSG) give participants the opportunity to tackle a variety of real world problems. This DSG includes a challenge submitted by Transport for London aiming to enable the identification of physical assets on the London Underground from the point cloud.

Sign Up

Conference | Machine Learning in Science

Glasgow | 21-22 August 2024

Machine Learning in Science would like to invite you to take part in their 2024 conference. This event brings researchers together to share knowledge on machine learning, foster interdisciplinary collaboration and enhance research across four main themes: Healthcare, Climate Sustainability, Augmented Researcher, and AI Security.

Register

Conference | NLP & AI for Cybersecurity

Lancaster | 29-30 July 2024

NLPAICS 2024 will bring researchers, academics, and business industry leaders together as they hear the latest solutions to address risks in processing digital information. It will explore a range of themes including Societal and human security and safety, Anomaly detection and threat intelligence, Systems and infrastructure security, as well as Ethics, bias and legislation in cyber security.
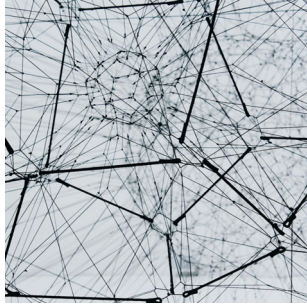
Register

Workshop | Women in AI Security

The Alan Turing Institute | 17 July 2024

The Women in AI Security Workshop is organised by the Alan Turing Institute's Defence AI Research (DARe) Centre, as part of their work on Vulnerabilities, Deception and Disinformation. This hybrid event will showcase prominent female researchers working in AI security, safety, governance, and cyber adjacent fields, bringing together experts across government, academia, and industry.
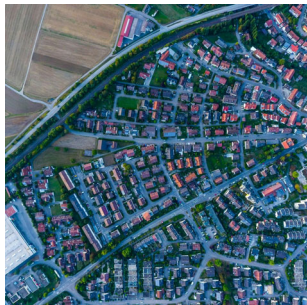
Register

Seminars

Phi-ML meets Engineering Seminar Series | Investigations on learning paradigms for neural networks

4 July 2024 | 13.00-14.00

This seminar will discuss a novel approach to training neural networks, the Locally Backpropagated Forward Forward training strategy.

Sign Up

Decoding Urban Form & Function in Great Britain

2 July 2024 | 14.00-17.00

This talk will introduce a new data product, spatial signatures, that provides granular descriptions of urban form and function in Britain

Sign Up

Jobs

Policy Fellow & Research Associate

AI Governance (Standards and Regulation)

The Alan Turing Institute | Public Policy Programme

These posts will address the governance of AI and autonomous systems in a range of possible domains, including maritime, transport, agriculture, construction, creative industries, among others.

Deadline - 30 June 2024

Apply - Policy Fellow

Apply - Research Associate

Research Associate

Humanities and Social Sciences in Human-AI Teaming

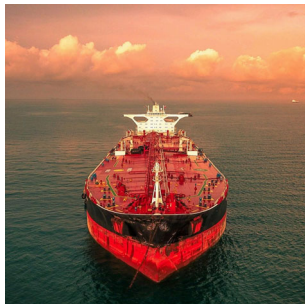The Alan Turing Institute | Data-Centric Engineering Programme

This post will conduct research on the fundamentals of human–AI collaboration and interaction, and introduce humanities and social science perspectives to the study of human-AI teaming.

Deadline - 7 August 2024

Apply

Data-Centric Engineering Journal

Publication Highlight

Advancing digital healthcare engineering for aging ships and offshore structures: an in-depth review and feasibility analysis

Abdulaziz Sindi, Hyeong Jin Kim, Young Jun Yang, Giles Thomas and Jeom Kee Paik.

Full Article

Blog Post

Towards Net Zero Aviation with AI

Dr Pranay Seshadri (Georgia Institute of Technology) explores opportunities presented by the use of AI within the aviation industry, and introduces the The Net-Zero Aviation with AI mini-workshop.

Full Blog

The Alan Turing Institute

DCE Programme Website

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