



Research Lifecycle Programme / The change projects

What is the Research Lifecycle Programme (RLP)?

Here are a few ways in which the programme aims to improve support through the different phases of your research lifecycle:

1.

"I have an idea but I need to find people who can help me with an area that is not my strength."

The Research Lifecycle Programme (RLP) is working on enabling better internal **networking** and discovery of potential partners. Researchers will have access to tools that make **collaboration** easier from editing manuscripts to meeting and exchanging ideas. **Innovation communities** are also being formed, around technologies and research interests, where researchers can draw on experience from others across different disciplines.

2.

"I need to think about what computational resources and other tools I need so I know what costs I need to include in my grant."

The RLP has put **high performance computing** in place and is looking to get more. Every year, the team is speaking to researchers and **increasing compute capacity and resources** and also will be providing a service to help researchers locally set up **edge computing** where that is a proven requirement. The programme has **even set up agreements to purchase cloud compute capacity** using finance codes, allowing researchers to buy cloud cheaper through bulk discounting through the University.

3.

"I need to write a grant, but it's so difficult getting costs for research staff, equipment and infrastructure."

Researchers will have access to a **costing tool** to plan and cost research more efficiently, and will not need to use so many different systems. Researchers will also benefit from having good information and intelligence about **funders and partners**.

4.

"I can't proceed with my grant application without an ethics and data management plan."

The RLP is working on improving the **end-to-end processes for research support** so researchers can have more timely support in progressing virtual paperwork. The programme also will establish a **service to manage restricted data** so researchers do not have to do it from scratch.

5.

"Yes! I got my research grant. Now I have the pain of keeping tabs on my spending and resources and continuously provide my manager with updates."

The **costing tool** will give researchers up to date information about the finances of their project. The RLP will also integrate the costing tool into a single **research support interface**, so information from various systems will be more accessible.

6.

"Life is good. I am finishing my project but I still need to write the project report and report to my funders."

With a few clicks, the **costing tool** will provide researchers with final financial reports. It will also be a lot easier to report to funders on the output data, as the RLP will be setting in place a repository to **improve access, export and preservation of data**.

words in bold are the names of RLP projects

From costing the initial grant to writing the final report and everything in between

Six Innovation Communities, over 530 members 210 in Robotics and AI

Members from:

- FBMH - Admin
- FBMH - Cancer
- FBMH - Dentistry
- FBMH - Evolution & Genomics
- FBMH - Health Sciences
- FBMH - Human Communication
- FBMH - Infection, Immunity & Respiratory Medicine
- FBMH - Informatics, Imaging & Data Science
- FBMH - Medical Sciences
- FBMH - Medicine & Health
- FBMH - Molecular & Cellular Function
- FBMH - Musculoskeletal & Dermatological Sciences
- FBMH - Neuroscience & Experimental Psychology
- FBMH - Nursing
- FBMH - Pharmacy & Optometry
- FBMH - Population Health
- FBMH - Psychology & Mental Health
- FBMH - Teaching & Learning students

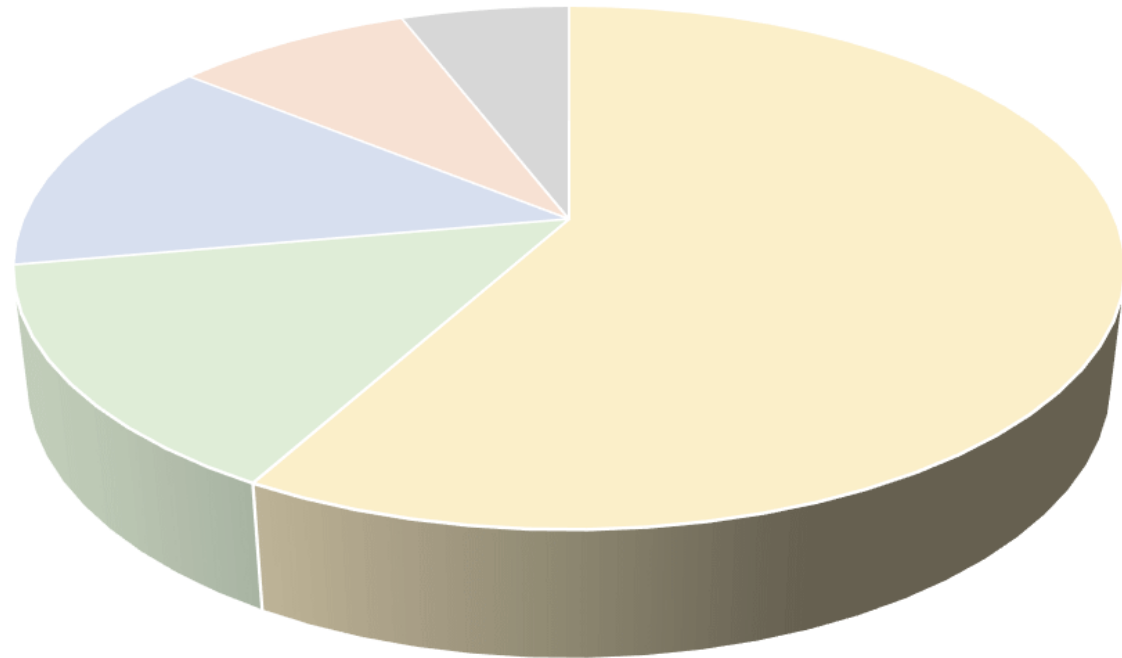
- FHUM - AMBS
- FHUM - Cathie Marsh Institute
- FHUM - Classics
- FHUM - Economics
- FHUM - Religions & Theology
- FHUM - SALC - English
- FHUM - SEED
- FHUM - Social Sciences

- FSE - CEAS
- FSE - Chemistry
- FSE - Computer Science
- FSE - EEE
- FSE - EES
- FSE - Graphene
- FSE - MACE
- FSE - Marketing & Communications
- FSE - Marketing & Recruitment
- FSE - Materials
- FSE - Mathematics
- FSE - MIBiotechnology
- FSE - Photon Science Institute
- FSE - Physics & Astronomy

SERVICES

- S - Business Relations
- S - Compliance & Risk
- S - IT Services
- S - RDM Strategic Lead
- S - Research & Business Engagement
- S - Research IT
- S - Research Office

Robotics & AI Community



■ FSE ■ FHUM ■ FBMH ■ Services ■ Unknown affiliation



Research Lifecycle Programme / The change projects / Design a research IT Innovation community (Q) / Robotics and AI Innovation Community

Robotics and Artificial Intelligence (AI) Innovation Community

11 February, 2020

- Community membership structure
- Competitions/Funding
- Digital Futures Data Science & AI
- Lectures
- Meetings
- Question for community
- Open Forum

— Past Events

Robotics and AI innovation community meeting at The University of Manchester - Wednesday 30 October

About this Event

We invited current users and interested researchers to a meeting to discuss the use of Robotics and Artificial Intelligence (AI) in research across the University. The meeting followed on from a Robotics@Manchester workshop in September 2018, organised by Digital Futures with Professors Angelo Cangelosi and Barry Lennox, at which University researchers presented ongoing research projects in this area and identified proposals and opportunities for a proposed University of Manchester (UOM) robotics entity/centre/institute. If you are interested in hearing about future activity with this community, please contact digitalfutures@manchester.ac.uk.

Over 50 people from across the University expressed an interest in the meeting representing all three faculties, which resulted in a broad spectrum of research being presented and discussed. This resulted in participants making new connections with colleagues whom they were unlikely to encounter in their day-to-day activities. The meeting began with a brief introduction to the Research Lifecycle Programme by Emma Finch, followed by presentations and discussion. There was a break halfway through the presentations for networking and further discussion over lunch where researchers compared similarities and differences between the methodologies and requirements of using Robotics and AI in their research.

We had a number of talks at the event, some of which can be found on our [Podcast](#) if you want to catch up (presentations available to listen to have the times in brackets).

- **Introduction to Research Lifecycle Programme and Innovation Communities (0:00 – 09:49)**
Emma Finch, Innovation Lead
- **Electric actuators for robot joints (09:50 – 19:24)**
Judith Apsley, School of Engineering
- **Deep Learning and Machine Vision (19:25 – 45:44)**
Hujun Yin, School of Engineering
- **Predicting the human in HRI - and other things (45:45 – 1:02:11)**
Guido Herrmann, School of Engineering
- **Small-molecule robotics**
David Leigh, School of Natural Science

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**INNOVATION
COMMUNITY
RESEARCH FUND**

CLOSING DATE: 16 MARCH

For application process and further info, visit:
www.rlp.manchester.ac.uk/innovation
innovation@manchester.ac.uk

Research Lifecycle Programme / The change projects / Design a research IT innovation community (Q)

Innovation Community Research Fund

The Innovation Community (IC) are holding an innovation competition to give researchers the opportunity to kick-start their research ideas.

Do you have a collaborative research idea that uses technology? Do you need some funding to start it? Apply to the Innovation Community's (IC) Research Fund competition to win some seed funding. The funding prize pot is £10,000, to be shared between two to four projects.

To apply, applicants will need to submit an application form which will be peer reviewed by a cross-faculty panel. The shortlisted projects will then be invited to a showcase event on 23 April, which will be open to all researchers and staff around the University to attend. The panel will then select the successful projects to receive funding at this event.

To qualify to enter the competition:

- Your research idea should relate to one of the Innovation Community themes: Virtual and/or Augmented Reality, Additive Manufacturing, Mapping & Geographic Information Systems (GIS), Robotics & AI, Imaging & Visualisation or Drones.
- Applications with cross-department component(s) will be favoured.
- You will need to be available on 23 April to present your idea at the showcase event, if shortlisted

Have an interesting idea but haven't been to an IC meeting yet? It's not too late. You can find collaborators at the IC meetings in February and March. The Innovation Communities meet on a monthly basis. If you would like to find potential research collaborators from other disciplines that you feel may compliment your research, you can find more information on the Innovation Community webpages below.

Applications are open until Monday 16 March. For further information, please see below:

- [Innovation Community Research Fund – Application Form](#)
- [Innovation@manchester.ac.uk](mailto:innovation@manchester.ac.uk)

Innovation Community Competition Application

Competition Rules

Your research idea should relate to at least one of the Innovation Community themes:

- Additive Manufacturing
- Drones
- Imaging & Visualization
- Mapping & Geographic Information Systems (GIS)
- Robotics & Artificial Intelligence (AI)
- Virtual and Augmented Reality (VR/AR)

An inter-department application will be looked on favourably as will the innovative nature of the proposal. The total prize fund is £10k to be shared by 2-4 applications, so a maximum application of £5k is expected.

The funding secured from this competition can be used to seed fund a specific piece of research through, for example, the purchase of equipment or equipment time, research software engineer time etc.

The shortlist will be chosen after the deadline date, which will be reviewed by peers from the three faculties. Applicants will be notified whether their application has been successful by Wednesday, 25 March.

A member from the shortlisted applications must be available to present at a showcase event on Thursday 23 April to secure the funding. Unsuccessful applicants and any members of the University are welcome to attend by signing up through Eventbrite nearer the time.

The winning projects will be expected to provide a report outlining the outcomes of their project by 1 October 2020.

Competition Timeline

To help with planning, please email an expression of interest to innovation@manchester.ac.uk by Monday 2 March, 2020 and please email your application to this address by the deadline.

Activity	Date(s)
Competition closes	Monday 16 March
Submission review and shortlisting: Cross-faculty panel reviews application submissions	Tuesday 17 March – Monday 23 March
Applicants informed whether proposal has been shortlisted: Projects which have been shortlisted are informed and invited to present at the IC Showcase event	Tuesday 24 March – Wednesday 25 March
Projects presentation prep: Shortlisted projects prepare their presentation for the panel	Wednesday 25 March – Wednesday 22 April
IC Showcase Event: Shortlisted projects present at the IC Showcase event in front of panel and event attendees	Thursday 23 April

The deadline for applications is 9am, Monday 16th March

Contact the Innovation Community Team (innovation@manchester.ac.uk) if you have any questions about this call or the Innovation Community Project


Innovation Community Competition Application

1. Project title:

2. List of applicants and UoM Faculty/Department

3. Provide a brief description of your proposed research study including appropriate background, theoretical motivation, methods and objectives (<2 pages of A4, including figures).

Applications assessed
monthly



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Are you a member of staff at The University of Manchester?

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Get your business ideas off to a 'Flying Start' in 2020

10 Jan 2020

A new year brings new inspiration and at the Masood Enterprise Centre (MEC), based within the Alliance Manchester Business School, you have the opportunity to get your innovative business ideas off to a Flying Start



In addition to funding you will also have access to



Informative workshops to hone your business case



A range of mentoring opportunities to ensure your enterprise continues to flourish



Access to online networks and memberships

Open to all staff at The University of Manchester

Awards available every month

Don't delay apply today!

For more information and to request an application form please contact enterprise@manchester.ac.uk using the subject line: Flying Starter Award

One-to-one support is available to assist you with application form



Are you a member of staff with an innovative business idea? Then apply today for a 'Flying Starter' award of up to £2,000 to test its feasibility.

Awards are available every month until the end of the current academic year.

Funding from £500 – £2,000 is available for you to test your idea, find out if it is viable, learn more about what is needed to progress the idea and even create a prototype product.

Support can be provided to assist you with your application form.

For successful award winners, informative workshops are available to hone your business cases together with a range of mentoring opportunities to ensure your enterprises continue to flourish.

Please note: this funding opportunity is open to University of Manchester staff only.

For more information or to obtain an application form, please email enterprise@manchester.ac.uk using the subject line: Flying Starter Award



Students

The University of Manchester



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Venture Further

Annual business start-up competition

Here's your chance to win £12,000 and make it a reality!

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Deadline: Sunday, 8 March 2020



DIGITAL FUTURES



The University of Manchester

2018



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ROBOTICS@MANCHESTER WORKSHOP

Robotics@Manchester is a new initiative that aims to bring together the University of Manchester's diverse activity in robotics research.

A workshop was held on **Thursday 6th September** for University of Manchester staff interested in robotics research. The workshop included brief presentations from academics involved in robotics research from across the University and group discussions. The aim of the workshop was to:

- i) achieve a shared awareness of the strengths and complementarity of the various projects and areas of specialisation
- ii) foster collaboration among staff from different schools and faculties
- iii) discuss ideas for the future UoM robotics strategy and plans for internal and external visibility of UoM robotics research.

Download full agenda.

Speakers:

- Angelo Gangelos: Cognitive robotics and human-robot interaction
- Barry Lennox: Overview of nuclear robotics
- Simon Watson: Offshore robotics and HOME
- William Crowther: Aerial robotics
- Phillip Martin and Nick Smith: Photonics and the link to robotics (TORONE project)
- Alexandru Stancu: Probabilistic SLAM
- Joaquin Carrasco Gomez: Robot manipulation research
- Andy Weightman: Rehabilitation robotics
- Gavin Brown: Machine learning and robotics (e.g. RAIN CS sub-projects)
- Mikel Luján: ATP and robotics research (e.g. RAIN sub-projects)
- Ross King: Robotics and biotechnology research
- Andreas Freitas: Robots and dialog
- Katie Twomey: Developmental robotics for psychology
- Mostafa Nabawy: Micro-robotic research

WHAT WE DO

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- > Cross-cutting Capabilities
 - > Data Science & AI
 - > Digital Trust & Security
 - > Human-Centred Design
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 - > Policy & Innovation
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DATA SCIENCE & AI



Theme Lead: **Professor Magnus Rattray**

Data Science or Data Analytics is about the processes involved in extracting meaning from the abundance of data that are now available. It is a cross-disciplinary field that offers many opportunities for researchers across the university.

INSTITUTE FOR DATA SCIENCE & ARTIFICIAL INTELLIGENCE

Website: www.datascience.manchester.ac.uk

The University of Manchester's Institute for Data Science & Artificial Intelligence was created to act as an access point to the University's expertise in data science and artificial intelligence, facilitates interactions between researchers and problem holders, owns the University's data science strategy, and will deliver sustainable support for the community.

Manchester has an engaged data science and artificial intelligence community of over 600 investigators, with methodologists embedded in Schools across the University addressing problems in extracting meaning from data, managing data volume, the variety of data used in analyses, the velocity with which it is produced and the veracity of those data.

Data science has a home in all three of the University's faculties (Science and Engineering; Humanities; Biology, Medicine & Health Sciences). Our expertise covers the complete data science life-cycle: from information management, through analytics, to practical applications. A key feature of our approach is very close coupling between methodologists and translational scientists, drawing on strength-in-depth in real-world applications of data science. This creates a virtuous circle, where challenging real-world problems drive the methodology research agenda, whilst providing a natural route to exploiting new algorithms and methods. We believe this deeply multidisciplinary approach is one of the distinctive features of data science at Manchester.

Scope of Theme

Data Science and AI are becoming increasingly successful in unlocking new knowledge and powering smart applications of digital technology. The theme brings together methodologists from across the University, sharing expertise organising, interpreting, discovering patterns in, and making predictions from complex data. A key feature of the University's approach is very close coupling between methodologists and translational scientists, drawing on strength-in-depth in real-world applications of data science. The theme includes:

- Machine learning and statistics
- Information management
- Text analytics
- Image analytics
- Numerical algorithms
- Privacy and anonymisation
- Advanced processor technologies

<http://www.digitalfutures.manchester.ac.uk/what-we-do/cross-cutting-capabilities/data-science-ai/>

<http://www.digitalfutures.manchester.ac.uk/>

DIGITAL FUTURES

Transforming our world

WHAT WE DO



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ADVANCES IN DATA SCIENCE SEMINAR SERIES

Leading researchers present their recent advances in Machine Learning and Computational Statistics. The Advances in Data Science Seminar Series takes place in Room 3.009 at the Alliance Manchester Business School between 14:00 – 15:00 on the given date (unless otherwise stated). This will be followed by a tea, coffee & refreshments.

We will be video recording all of the talks in this year's Advances in Data Science seminar series. If you have registered for any of the seminars and oppose to us doing so, please notify us immediately.

UPCOMING SEMINARS

11TH FEBRUARY 2020

Speaker: Mihaela van der Schaar (*University of Cambridge & The Alan Turing Institute*)

Title: [Defining the research agenda in Machine Learning interpretability, explainability and trustability](#)

10TH MARCH 2020

Speaker: Anna Scaife (*University of Manchester*)

Title: [AI & Bias in Astronomy](#)

24TH MARCH 2020

Speaker: Isabella Pereira (*IPOS*)

Title: [Telling it like it is – The power of qualitative methods](#)

7TH APRIL 2020

Speaker: Marlious Hall (*University of Leeds*)

Title: *TBA*

21ST APRIL 2020

Speaker: Marta Soares (*University of York*)

Title: *TBA*

5TH MAY 2020

Speaker: Iryna Gurevych (*Technische Universität Darmstadt*)

Title: *TBA*

30TH JUNE 2020

Speaker: Barbara McGillivray (*University of Cambridge & The Alan Turing Institute*)

Title: [Data science and historical texts: modelling meaning change from Ancient Greek to web archives](#)

<http://www.datascience.manchester.ac.uk/events-1/events/defining-the-research-agenda-in-machine-learning-interpretability-explainability-and-trustability/>

DEFINING THE RESEARCH AGENDA IN MACHINE LEARNING INTERPRETABILITY, EXPLAINABILITY AND TRUSTABILITY

11 FEBRUARY 2020

Time: 14:00 - 15:00

Venue: Room 3.009 Alliance Manchester Business school, Booth Street West, Manchester, M5 6PB

Speaker: Mihaela van der Schaar (*University of Cambridge & Alan Turing Institute*)

Title: [Defining the research agenda in Machine Learning interpretability, explainability and trustability](#)

Abstract:

The ability to interpret the predictions of a machine learning model brings about user trust and supports understanding of the underlying processes being modelled. In many application domains, such as the medical, insurance and criminal justice domains, model interpretability and explainability can be a crucial requirement for the deployment of machine learning, since a model's predictions would inform critical decision-making. Unfortunately, most state-of-the-art models – such as ensemble models, kernel methods, and neural networks – are perceived as being complex “black-boxes”, the predictions of which are too hard to be interpreted. In this talk, I will define the research agenda in achieving machine learning model interpretability, explainability and trustability. I will then present extensive progress made in our group recently to contribute to this research agenda.

Bio:

Professor van der Schaar is John Humphrey Plummer Professor of Machine Learning, Artificial Intelligence and Medicine at the University of Cambridge and a Turing Fellow at The Alan Turing Institute in London, where she leads the effort on data science and machine learning for personalised medicine. She is an IEEE Fellow (2009). She has received the Oon Prize on Preventative Medicine from the University of Cambridge (2018). She has also been the recipient of an NSF Career Award, 3 IRM Faculty Awards, the IRM Exploratory Stream Analytics Innovation Award, the Philips Make a Difference Award and several best paper awards, including the IEEE Darlington Award. She holds 35 granted USA patents.



The University of Manchester

<https://www.theiet.org/membership/member-news/member-news-2020/turing-talk-2020-digital-twins-the-next-phase-of-the-ai-revolution/>

Member News

Member News 2020

Turing Talk 2020, Digital Twins:
The Next Phase of the AI
Revolution?

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Turing Talk 2020, Digital Twins: The Next Phase of the AI Revolution?

Turing Talk 2020, Digital Twins: The Next Phase of the AI Revolution?

Published: Thu 6 Feb 2020

This year's Turing Talk speaker will be Mark Girolami, with the EngTalk being held at three locations across the UK.

The Turing Talk will be taking place in London, Manchester and Belfast:

- London Savoy Place on Monday 17 February
- The University of Manchester on Wednesday 19 February
- Assembly Building, Belfast on Thursday 20 February

Our Turing Talk speaker this year is Mark Girolami, an academic statistician who worked with IBM for ten years as a Chartered Engineer. Mark is currently the Programme Director of Data-Centric Engineering at The Alan Turing Institute, the UK's national institute for data science and artificial intelligence.

His research lies at the intersection of Statistical, Mathematical and Computing Sciences, where he has made major contributions to the development of Machine Learning and applications in the Engineering and Natural Sciences. In 2019 he was elected to the Sir Kirby Laing Chair of Civil Engineering at the University of Cambridge.

During this EngTalk, Mark Girolami will discuss Digital Twins and chart their history to present-day technological capability. This will involve looking at some of the advances being made and the opportunities along with the open challenges faced to realise the potential of Digital Twins.

All of the events are free to attend and will take place from 6 pm until 8.30 pm approx.

[Register to attend](#)

Unable to attend?

If you are unable to attend any of the events, the London Turing EngTalk will be streamed live as a webcast at 6.30 pm UK time on 17 February. This can be accessed via the [event website](#) or on tv.theiet.org/

More information on EngTalks

EngTalks shine a light on the big engineering and technology topics of today. They are delivered by inspirational individuals passionate about influencing and informing their peers and the next generation of engineers.





The University of Manchester

Home

The Turing Presents: AI UK

24-25 March 2020, London

[Book tickets](#) [Add to Calendar](#)

Introduction

The Alan Turing Institute continues to pursue its ambitious goals: by advancing world-class research in data science and artificial intelligence (AI), training and inspiring the leaders of the future, and shaping the public conversation.

For the first time a dynamic, two-day event will see the Turing bring together all three of these goals in an unrivalled showcase featuring the very best of UK academic work in AI and machine learning (ML).

AI UK will convene leading thinkers, innovative businesses and specialist third-sector bodies, to:

- Connect UK academics working in AI and ML with research users from across industry, commerce and government
- Facilitate new AI collaborations
- Showcase the UK's state-of-the-art AI and ML

Programme

AI UK takes place over three main areas:

Connect: Named after the very thing we all want to do as human beings and as data scientists. Head here for sessions that will inspire you to connect both people and ideas to the broader themes of data science and AI.

Collaborate: Named after the one thing our work is nothing without. Head here for sessions that tackle cross-sections of artificial intelligence and data science with more traditional academic and policy concerns.

Innovate: A smaller more intimate space. Head here for moderated TED style talks, academic presentations and interactive content straight from the researchers themselves.

Between the sessions, we invite you to explore our exhibition space where you can see live demonstrations from researchers and industry players alike.

Click on a session below to find out more about it and our brilliant speakers. Please be advised sessions may be subject to change.

Connect

Day 1	Day 2
<p>The algorithm will see you now: AI for health & medical science 09:10 - 10:30</p> <p>Maxine Mackintosh Chris Holmes Mihaela van der Schaar Catalina Vallejos Daniel Rueckert</p> <p>Creating controls: Robotics and automated systems 11:00 - 13:00</p> <p>Sethu Vijayakumar Nick Hawes Paul Newman</p> <p>Ethics: The real AI challenge 14:15 - 15:30</p> <p>Luciano Floridi Indra Joshi Alan Winfield</p> <p>Mind the (AI skills) gap 16:00 - 17:30</p> <p>Wendy Hall Ray Eitel-Porter Ben Murlon Maggie Phibbin</p> <p>The Turing Lecture Series: Provably Beneficial AI 18:30 - 19:45</p> <p>Stuart Russell</p>	<p>Talks (Session 3) 09:00 - 10:30</p> <p>Nail Lawrence David Barber</p> <p>UK AI national strategy 11:00 - 13:00</p> <p>Tabitha Goldstaub Tom Iuba Tim Clement-Jones</p> <p>One small step for AI, one giant leap for Humankind 14:15 - 15:30</p> <p>Timandra Harkness Kenneth Cukier Jon Crowcroft Mike Davies</p>

Collaborate

Day 1	Day 2
<p>Committing to smart cities: Urban analytics 09:10 - 10:30</p> <p>Mark Birkin Rachel Franklin Flora Roumpani Alison Heppenstall Nick Malleson Paul Patras</p> <p>Adaptive expectations: AI & finance and economics 11:00 - 13:00</p> <p>Lukasz Szpruch Artur Garcez Stephen Roberts</p> <p>AI and the future of defence and security 14:15 - 15:30</p> <p>Mark Briers Weilai Guo Robert Hercock Rae (Yingru) Chen</p> <p>AI and climate change 16:00 - 17:30</p> <p>Emily Shuckburgh Nemo Semret Gavin Shaddick</p>	<p>Regulating AI 09:00 - 10:30</p> <p>Helen Margetts Cosmina Dorobantu</p> <p>Are you the prototype? The future of digital twinning 11:00 - 13:00</p> <p>Pranay Seshadri Mark Girolami Ruchi Choudhary Theo Damoulas Michael Baty</p>

Innovate

Day 1	Day 2
<p>Talks (Session 1) 09:10 - 10:30</p> <p>Adrian Weller Chris Williams Derek Long David Barber Jonathan Lavery Sebastian Vollmer</p> <p>There's a script for that: AI for science and the humanities (Part 1) 11:00 - 13:00</p> <p>Ruth Ahmert Anna Scalfè Nick Wright Biao Cai</p> <p>Talks (Session 2) 14:15 - 15:30</p> <p>Michael Wooldridge Conor Houghton Ross King</p> <p>AI for e-infrastructure and s-infrastructure for AI 16:00 - 17:30</p> <p>James Hetherington Mark Parsons Kenji Takada Tony Hey Christopher Woods Shiraj Mallick Alison Kennedy</p>	<p>Talks (Session 4) 09:00 - 10:30</p> <p>Mike Wald Peter Flach Chanuki Seresinhe Lilian Edwards</p> <p>There's a script for that: AI for science and the humanities (Part 2) 11:00 - 13:00</p> <p>Jonathan Rowe Thomas Hillis Christian Arnold Barbara McGillivray Paolo Turrini Lisa Jallant</p>

Thomas Ashton Institute

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Integrity and Risk in Additively-Manufactured Components

1 February 2020

Additive manufacturing (AM) is set to revolutionise production chains and reduce costs across several industrial sectors including nuclear, oil and gas, power, petrochemical and medical devices.

However there is a pressing need to develop regulatory, inspection and assurance regimes to support this progress.

We invite you to join other professionals from industry, academia and regulatory bodies such as HSE to identify and discuss the key issues around managing risks in AM. Areas for discussion will focus on:

- challenges in materials integrity
- assessment and assurance methodologies
- the adequacy of inspection methods
- design code development and use

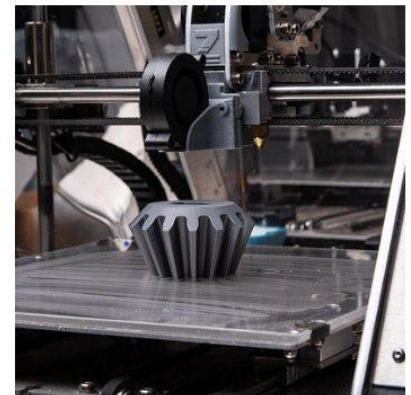
We aim to identify cross-sectoral issues and plan technical and guidance strategies to define a path by which the AM revolution can be safely navigated through better research and regulation.

Programme details and booking information will be published soon – please email ashton@manchester.ac.uk to register for this event:

Workshop - Integrity and Risk in Additively-Manufactured Components

Monday 18 May, 2020
9:00 am - 16:00pm (including a networking lunch)
[Barnes Wallis Building](#)
The University of Manchester

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<https://www.ashtoninstitute.ac.uk/about/news-and-events/headline-756082-en.htm>



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<http://www.datascience.manchester.ac.uk/events/advances-in-data-science/advances-in-data-science-2020/>



[Getting there](#) [Home](#) [Posters](#) [Programme](#) [Registration](#) [Submission](#)

Advances in Data Science will take place in Manchester, UK from Monday June, 22 2020 to Tuesday June, 23 2020.

A two-day meeting to present recent developments in data science. Invited speakers include leading data scientists from industry and academia, and there will be the opportunity to submit abstracts for talks and posters. Talks will range from application-focussed to advanced data science methodologies.

Invited speakers will be announced soon

See details of previous meetings here:

- [Advances in Data Science 2017](#)
- [Advances in Data Science 2018](#)
- [Advances in Data Science 2019](#)

Delegates will be able to submit abstracts for consideration as short talk or poster presentations at the meeting. Note that there will only be a small number of contributions selected for talks due to time constraints.

Sponsors

[University of Manchester Data Science Institute](#)
[Alan Turing Institute](#)

Organizers

[Magnus Rattray](#); [Mauricio Alvarez](#); [Sophia Ananiadou](#); [Danielle Belgrave](#)

Question to community:

I am trying to find information about the expertise of the UoM in AI applied to early detection of disease, genomics or proteomics.

Please contact:

Dr. Cristina Melero

Business Engagement | Faculty of Biology, Medicine and Health

Email: cristina.melero@manchester.ac.uk

Open workshops: Compute capacity and resources



- Annual open workshops – tell us what compute resources you need
- Researchers of any level are welcome to attend
- May be of interest to those doing computationally intensive research (eg modelling, simulation, data processing etc.)
- 24 March / 26 March / 1 April

Register and find out more: www.rlp.manchester.ac.uk/events

Lunch Event: Managing and sharing research data



- Research information projects
- Manchester Digital Collections
Research Data Management
Highly Restricted Data Service
Research networking and collaboration
- Thursday 19 March – 12:30pm – 2pm

Register and find out more: www.rlp.manchester.ac.uk/events



The University of Manchester

Business Engagement in AI & Big Data

Theme lead: Hujun Yin

BE support: Kiera Gould

Theme development

- **Develop internal community**
- **Share links with industry**
- **Hold industry-facing events and networking opportunities**
- **Seed funding for feasibility projects**

Business Engagement Support

Your first port of call for new interactions with business, we can:

- Organise and facilitate meetings and site visits
- Advise on existing relationships who could collaborate on new projects
- Signpost to relevant funding streams
- Liaise with Contracts or Research Support teams
- Advise on Pricing Policy and assist with cost negotiations

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