

## Security Lancaster Newsletter May 2021

### **Lancaster University to take leading role in cybersecurity innovation hotbed**

Lancaster University is set to be the lead academic partner in the new Manchester Digital Innovation and Security Hub (DISH).

Led by Barclays Eagle Labs, DISH will be a place for collaboration between Manchester's business and entrepreneurial community, leading academics, public sector organisations and the voluntary sector to identify digital security threats and innovative responses to them. The hub will offer co-working space as well as access to state-of-the-art equipment and facilities, allowing business residents to rapidly develop and test their products and services.

Announced by Manchester City Council this week, The 11,000 sq ft cybersecurity hub is a key element of the ambition to make Greater Manchester a top five European digital city region. It will help put the city in the international forefront of the response to digital threats and support its economic recovery by helping create the next generation of innovators.

To be located in Heron House in the heart of Manchester, together with GCHQ and the National Cyber Security Centre, DISH will be able to draw on world-class expertise, as well the knowledge and support of the consortium partners Barclays Eagle Labs, Plexal, Lancaster University and the University of Manchester.

More information can be found [here](#).

## Meet a Colleague



### **Dr Matthew Bradbury**

Matthew Bradbury is a Lecturer at the School of Computing and Communications (SCC) at Lancaster University. He is a member of the Systems Security Group (SSG). Matthew's research focuses on practical aspects of security and context privacy in resource-constrained and distributed IoT systems. His current research interests focus on multi-tenanted IoT systems and how hardware innovations can be used to support these systems. He is also interested in protecting context information that live systems leak, which can reveal sensitive information about their operation and their users.

Matthew has previously worked with a variety of resource-constrained systems, including wireless sensor networks and connected vehicles. He guided a team to translate theoretical security and privacy techniques for vehicle-to-vehicle communication to a real-world deployment which was demonstrated at the House of Lords. He was also RCoI on the TEAM project funded by PETRAS which investigated approaches to perform trust-based task offloading from resource-constrained devices to resource-rich edge nodes.

Matthew took up his lectureship position at Lancaster in April 2021 and he is a member of the Systems Security Group ([SSG](#)).

For more information you can visit his website [here](#).

**Dr Zhengxin Yu**

Zhengxin (Cynthia) Yu received her Ph.D. degree in Computer Science from the University of Exeter, UK. She is a senior research associate within the EPSRC Trustworthy Autonomous Systems ([TAS-S](#)) project and a member of [SSG](#).

Her research interests focus on Federated Learning, Deep Learning, Multi-access Edge Computing and Internet of Things.

Her full bio can be found [here](#).



## Dr Luke Moffat

Luke studied for his PhD in Philosophy at the University of Kent, completing in 2016. His research journey began with writing about German philosophers Kant and Schelling, their theories of art and nature, and the need for metaphysics in everyday life. He has previously lectured in the Politics, Philosophy & Religion department at Lancaster, before migrating to Sociology where he taught Mobilities and Critical Methods. His current research focuses on the ethics of AI, and the relationships between nature and technology. In 2019, he finished writing his first novel, *no, mi cielo*, which he really should publish..

His most recent editing project, 'Staying with Speculation: Natures, Futures, Politics' is available [here](#)

Luke is a research associate at Lancaster University within the EPSRC [TAS-S](#) project and his bio can be found [here](#).

## News

### [Faculty of Science & Technology Impact Fund: Call for applications](#)

The Research Impact Fund has been created to support researchers in the development of potential impact case studies and associated impact environment for future Research Excellence Framework assessments.

Applications may be submitted for up to £5,000 per case, which must be spent within the same financial year in which the award is made. Please note that awards can only be made for non-staff costs. The call deadline for this financial year is **12 noon on Monday, 17<sup>th</sup> May 2021** and applications should be submitted to [Pam Forster](#), co-Faculty Impact Manager.

### [Call for Participants to Attend the SPRITE+ Virtual Sandpit on Digital Vulnerabilities](#)

SPRITE+ is pleased to invite Members and Expert Fellows to apply to attend an online sandpit on Digital Vulnerabilities in July 2021. Up to £160k of SPRITE+ funding will be made available to fund interdisciplinary projects arising from this sandpit. [Register for SPRITE+ membership \(for free\) here](#).

### [Future threats and opportunities: competition for students](#)

Submit your essay to Dstl, with a chance to present to senior government officials and a £250 prize for the winner.

### [Trustworthy Autonomous Systems Node in Security \(TAS-S\) Project](#)

Keep up to date with the latest news from the TAS-S project via their [website](#) and Twitter @TAS\_Security.

## Seminar Series

[Professor Shanchieh Yang](#), from the Rochester Institute of Technology will be delivering the next SL seminar on Friday 28th May from 2pm to 3pm - more details coming soon!

The full list of upcoming seminars can be found [here](#).

Become a member of Lancaster's Security Institute

## Lancaster University

Bailrigg, Lancaster  
United Kingdom



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