



Maynooth University Faculty of Science & Engineering

Home / Faculty of Science & Engineering / **Our People**

Faculty Home

About

People

News

Events

Further Information

Forms

Statutes

Meeting Dates

Science Week

Registration for Events

Dr Liadh Kelly

[Computer Science](#), [ALL Institute](#),
[Hamilton Institute](#), [Human Health
Institute](#)

Assistant Professor

Location Eolas

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[Biograph](#) [Research](#) [Publications](#)

[Biography](#) [Research](#)

applied artificial intelligence - intelligent search, ubiquitous computing, and multimodal information access and retrieval - context sensitive retrieval and evaluation methodology

[Google scholar profile](#)

Currently open PhD position (fully funded):

topic: mental wellness, multimodal lifelogging, and deep learning

We have funding available for a 4-year PhD postgraduate studentship which includes a stipend of €16,000 per annum and funding for annual student fees in the [Computer Science Department, Maynooth University](#) (Ireland) under the supervision of Dr. Liadh Kelly and Prof. Tom Naughton. The successful candidate will also be affiliated to the [Hamilton Institute, Maynooth University](#) and the [SFI Adapt Research Centre](#) which provide access to training opportunities and a large network of researchers. This PhD offers a solid career pathway through formalised training & development, expert

supervision and exposure to top specialists. Project details follow. Informal enquiries can be sent to Liadh and Tom.

Project Topic

Mental health is acknowledged as a leading global health concern. This PhD project focuses on auto-understanding individuals' mental wellness and wellness-related requirements. The project will investigate the potential to classify an individual's mental wellness and provide early indicators of declining mental wellness using personal contextual indicators (e.g., geo-location, people around you, mobile activity, biometric response) as an individual engages in daily life activities. The research will analyse the personal contextual indicators using deep learning approaches. In particular, the effectiveness of these approaches in classification of individuals' wellness in different scenarios and times will be explored.

Candidate

The ideal candidate will be a motivated and enthusiastic person with the following skills and qualifications:

- Primary degree (BSc/MSc) in Computer Science or a related discipline.
- Received (or on track to receive) first-class honours or high second-class honours in their primary degree.
- Strong programming and analytical thinking skills.
- Excellent attention to detail and problem-solving abilities.
- Excellent interpersonal skills.
- Good communication skills (written and verbal).
- Data analysis and machine learning knowledge is desirable.

Funding

This PhD position is fully funded for up to 4-years as follows:

- Tax free stipend of €16,000 per annum.
- Annual student fees.

Application Process

Applications are invited from those who have achieved (or are on track to achieve) a first-class honours or a high second-class honours degree in Computer Science or a related discipline.

To apply for this PhD position, please email the following details to liadh.kelly@mu.ie and tomn@cs.nuim.ie

1. Detailed curriculum vitae.
2. An example of technical report writing e.g., publication or final year project report.
3. Transcripts of degrees.
4. The name and email contacts of two academic referees.
5. A cover letter (max 500 words) motivating your application for the PhD topic.
6. For international applicants, please include your English language proficiency certificate.

Informal queries, prior to application, can be sent to liadh.kelly@mu.ie and tomn@cs.nuim.ie

Application deadline: Friday, 17th June 2022. It is expected that the successful applicant will start the PhD position by mid-September 2022.

[Publications](#)

[Back to top](#)

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Co. Kildare,
Ireland.

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[Back to top](#)