



Maynooth University Ollscoil Mhá Nuad

ENABLE / Innovation Value Institute Post-Doctoral Researcher or Senior Post-Doctoral Researcher (Level 1 or 2) (Mobility as a Service) (12-month contract)

The Role

Maynooth University is committed to a strategy in which the primary University goals of excellent research and scholarship and outstanding education are interlinked and equally valued.

We are seeking a Postdoctoral Researcher in Mobility as a Service (MaaS). The position will be funded by the Enable Research Programme (<https://www.enable-research.ie/>).

The Post-Doctoral Researcher will work in a team of Postdoctoral Researchers and PhD students under the supervision of Prof Brian Donnellan. The team's research focuses on economy and innovation-related issues relating to Internet of Things (IoT) in industrial (Industry 4.0) and city (Smart Cities) environments. The team has studies underway in:

- Living labs business models
- Urban data portal business models
- Smart district co-creation
- Urban digital strategy development
- Smart City governance
- Smart city competitiveness
- Autonomous vehicle / technology adoption

The environment is highly supportive. While each researcher works to an agreed set of research deliverables, synergies between the various strands of research are used for everyone's benefit. Researchers also enjoy an environment where their own personal development is encouraged and supported. The team is fully integrated into the university's business school providing a balance between practical and academic support and mentorship.



Principal Duties

The project is motivated by recent engagement with Irish cities, who have identified traffic congestion as a significant barrier to commercial activity and to quality of life. Smart mobility implementations are viewed as a desirable, if not essential, part of the solution to this problem.

The proposed research will address these issues by working with stakeholders in cities to develop:

1. Value stream scenarios (i.e. economic potential from each scenario), and
2. Implementation guidelines to support the actuation phase of mobility projects

The ideal candidate will have:

Mandatory:

- A PhD in any of the following, or related, disciplines (e.g. Business / Management, Information, MIS or IT).
- In order to be considered for appointment at Senior Post-doctoral Researcher (Level 2) candidates must have a minimum of two years post-doctoral research experience within a relevant field.
- Have strong writing, communications and analytical skills.

Desirable:

- Experience in studying IT platform solutions
- Experience in studying human technology interaction
- Experience in studying business model innovation
- Experience in studying the social impact of technology
- Experience of qualitative and ethnographic research methodologies
- Experience of designing and conducting research projects with industry partners.
- Experience conducting systematic literature reviews.
- A demonstrated commitment to research and publications

Enable Research Programme

The Enable Research Programme (<https://www.enable-research.ie/>) is currently seeking a Post-doctoral researchers in Mobility as a Service (MaaS). The positions will be hosted by the Lero Centre based in the National University of Ireland Maynooth. Enable programme is funded by Science Foundation Ireland (SFI) and is co-funded by the European Regional Development Fund.

Enable's focus is on connecting communities to smart urban environments through the Internet of Things. Enable's research strands address challenges relating to sensing and actuation at large scale in dynamic environments, data analytics of large volumes of data with challenging properties such as uncertainty and heterogeneity, security and privacy concerns, and engaging citizens in a co-design approach.

The University

Maynooth University is one of the four constituent universities of the National University of Ireland and in 2019 was placed in the global top 50 universities under 50 years old in the Times Higher Education World University Rankings. Formally established as an autonomous university in 1997, but tracing its origins to the foundation of the Royal College of St. Patrick in 1795, Maynooth University draws on a



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heritage of over 200 years' commitment to education and scholarship. It is located in the University town of Maynooth, 25km from the centre of Dublin, Ireland's capital city.

The University is a modern institution - dynamic, research-led, engaged, and grounded in the traditions of liberal education. With more than 12,000 students, Maynooth is Ireland's fastest-growing university, yet we retain a collegial campus culture that is central to our ability to bring significant interdisciplinary expertise to bear in tackling some of the most fundamental challenges facing society today. MU has a distinctive disciplinary profile compared to other universities in Ireland, with research and teaching strengths in humanities and social sciences, science, electronic engineering, business, law and teacher education. The University has major research institutes and centres in the areas of: humanities; social sciences; mathematics, computation and communication; human health; business and service innovation; climate change; and Geocomputation.

The University has, under the *University Strategic Plan 2012-17*, further enhanced its capacity and reputation for research, transformed its undergraduate curriculum, grown postgraduate enrolments and become even more international, diverse and engaged. MU makes, and is seen to make, an important and distinctive contribution to our national system of higher education.

Maynooth University is now embarking upon a new and exciting phase with the development of the *University Strategic Plan 2018-22*, with a vision to consolidate the international reputation of Maynooth University "as a university known for outstanding teaching, excellent research, a global outlook, effective engagement with the society we serve, and our distinctive approach to the challenges facing modern higher education."

The *University Strategic Plan 2018-22* builds on the institution's strengths and accomplishments, concentrating energy and resources on further development in research and postgraduate education. The strategy focuses on:

- targeted investment in research capacity in a number of priority areas;
- extending the postgraduate portfolio and growing the postgraduate community;
- realising the full benefits of our innovative undergraduate curriculum;
- enhancing the student experience;
- comprehensive and ethical internationalisation;
- equality diversity inclusion and interculturalism as enablers of academic excellence

These strategic goals are underpinned by a commitment to invest, first and foremost in people and opportunities for their development and success, and also in the systems and infrastructure required to achieve scholarly and educational objectives.

Selection and Appointment

- Only shortlisted candidates will be invited to attend for interview;
- Candidates invited for interview will be required to make a brief presentation;
- Appointments will be approved by the President based on the report of the selection board;
- It is anticipated that interviews will be held during early December
- The appointment is expected to be effective from February 1st 2021

Equality and Diversity

Maynooth University values the enrichment that comes from a diverse community and seeks to promote equality, prevent discrimination and protect the human rights of each individual. To learn more about our commitment to Equality and Diversity, please read the Maynooth University [Equality and Diversity](#)



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[Policy](#). Additionally, as an [Athena SWAN Bronze Award](#) Institute, we are committed to advancing gender equality across the University.

We aim to reflect the diversity of the community we serve and welcome applications from all individuals.

Data Protection Law

Maynooth University will process any personal data provided by you in connection with an application for this role in accordance with the General Data Protection Regulation and the Data Protection Acts 2018.

If your application is successful and you accept an offer of employment at Maynooth University, then your personal data will continue to be processed in accordance with Maynooth University's Staff Data Privacy Notice.

Both the privacy notices and further information relating to data protection, including Maynooth University's other data protection policies and processes, can be viewed at <https://www.maynoothuniversity.ie/data-protection>

Salary

Post-doctoral Researcher (Level 1):	€38,632 - €44,657 per annum (6 points)
Post-doctoral Researcher (Level 2):	€45,942 - €47,264 per annum (2 points)

Appointment will be made in accordance with the Department of Finance pay guidelines.

Application Procedure

Closing Date:

23:30hrs (local Irish time) on **Sunday, 20 November 2020**

Please note all applications must be made via our **Online Recruitment Portal** at the following link:

<https://www.maynoothuniversity.ie/human-resources/vacancies>

Applications must be submitted by the closing date and time specified above. Any applications which are still in progress at the closing time on the specified closing date will be cancelled automatically by the system.

Late applications will not be accepted.

**Maynooth University is an equal opportunities employer
The position is subject to the Statutes of the University**

