**Post Specification**

<table>
<thead>
<tr>
<th>Post Title:</th>
<th>Postdoctoral Research Fellow in Machine Learning for Personalized Mobility as a Service</th>
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<tbody>
<tr>
<td>Post Status:</td>
<td>Specific Purpose Contract – Full Time Tenable immediately</td>
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<tr>
<td>Research Group / Department / School:</td>
<td>CONNECT Research Centre</td>
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<tr>
<td>Location:</td>
<td>Trinity College Dublin, the University of Dublin College Green, Dublin 2, Ireland</td>
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<td>Salary:</td>
<td>Commensurate with experience and achievement (up to point 5 on the Level 2A SFI Team Member Budget Scale – February 2022)</td>
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<td>Reports to:</td>
<td>Dr. Melanie Bouroche</td>
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<td>Hours of Work:</td>
<td>39 hours per week</td>
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<td>Closing Date:</td>
<td>December 16th 2022</td>
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<td></td>
<td>Late applications will be considered if the post remains unfilled</td>
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Please note: The successful applicant will be expected to take up post as soon as possible.

**Post Summary**

We are seeking to recruit a Postdoctoral Research Fellow to work on Machine Learning for Personalized Mobility as a Service, within CONNECT - the Science Foundation Ireland Research Centre for Future Networks and Communications in collaboration with the E3 Kinsella SUMMIT (SUstainable Mobility Models for a Just Transition) initiative.

This project will investigate the development of a Mobility-as-a-Service platform to support the delivery of integrated and personalized mobility services at campus scale. The platform will support personalized on-demand travel with interfaces to transport providers, to support service delivery and provisioning, on one side and to individual users on the other side to offer journey planning and booking services. The successful candidate will be expected to contribute to integrating and catalysing existing and new activity in this area into a larger initiative, including developing relationships with diverse stakeholders and preparing further research funding proposals.
The position will be based in the CONNECT research centre at Trinity College Dublin, Ireland. The researcher will also be part of the School of Computer Science and Statistics in TCD. The position will be under the direction of Dr. Mélanie Bouroche. For informal inquiries please contact Melanie.Bouroche@tcd.ie.

**Required Qualifications**

The successful candidate must have a PhD in Computer Science, Computer Engineering, Electronic Engineering, or a related field. The post is applicable to both new and experienced PhD holders, and salary will be commensurate with experience and achievement. The successful candidate will join an inter-disciplinary team of highly-skilled and innovative researchers in Sustainable Mobility.

**Essential Knowledge & Experience**

- Expertise in machine learning for large-scale systems, in particular deep and/or reinforcement learning,
- Expertise in distributed computing,
- Excellent software engineering and programming skills,
- Established track record of publication in leading journals/conferences, on relevant topics,
- Excellent written and oral communication skills,
- Experience of project proposal writing,
- The ability to work well in a group,
- Strong self-motivation and willingness to learn.

**Desirable Knowledge & Experience**

Experience in one or more of the following areas, is considered is preferable:

- Intelligent transport systems/intelligent mobility,
- Optimisation,
- Industry collaboration.

**Post Funding**

The post is funded by Science Foundation Ireland (SFI), as part of CONNECT, the SFI research centre for Future Networks and Communications.
Application Procedure

Please send applications by email to Melanie.Bouroche@tcd.ie and vinny.cahill@tcd.ie quoting “Personalized Mobility as a Service Fellowship” in the subject line and containing three PDF files as follows:

(1) a cover letter,

(2) a curriculum vitae (giving full details of qualifications and experience, including transcripts of degrees, a description of your contribution to relevant project work, identification of your three most-significant publications relevant to the Personalized Mobility project, and the names and contact details of two referees), and

(3) a 1-2 page research proposal.

Please do not provide other documents, documents in other formats, or include any substantive information in the body of your email.

The closing date for applications is December 16th 2022. Late applications will be considered if the post remains unfilled.