Post-doctoral Researcher in Innovation, Networking and Learning in the Water Industry

Trinity Business School invites applications for an interdisciplinary post-doctoral researcher, funded under the ERDF INTERREG Ireland-Wales Co-operation Programme 2014-2020 (Contract No. 80910). In this multi-disciplinary research, Trinity Business School is collaborating with the School of Engineering at Trinity College Dublin, and Bangor University Wales.

The broad aim of the Dŵr Uisce project (Distributing our Water Resources: Utilising Integrated, Smart & low-Carbon Energy) is to improve the long-term sustainability of water supply, treatment and end-use in Ireland and Wales through:

- Developing and demonstrating innovative technology platforms
- Developing policy and best practice guidelines to facilitate the implementation of integrated low-carbon and smart energy solutions for the sector
- Undertaking economic and environmental impact assessments

This appointment involves hands-on engagement with industry and with other researchers both in person and online. A key focus is the development of a network of organisations in the water sector and a number of technology demonstration sites in Ireland and Wales. The network is stimulating innovation through collaboration, demonstration and knowledge exchange in the development, assessment, implementation and management of energy recovery systems for the water sector.

The successful candidate will join a multidisciplinary and cross-border research team undertaking this €3.3 million EU-funded project. The team employs a number of methodologies including case and action research and action learning in order to contribute to practice and literature. The successful candidate will facilitate:

- The development and growth of the Water-Energy network through engaging with industry and researchers in relation to technology, processes and services.
- The planning and coordination of visits to project demonstration sites by: (1) developing a guide for practitioners, visitors and researchers before and after demonstration visits, in order to capture and disseminate water and energy technology applications; (2) publishing peer-reviewed conference papers and journal articles discussing and analysing the insights emerging from demonstration activities, and how these can help the water industry to innovate and decarbonise.
- Learning by industry members with and from each other through collaborative action built around technology demonstration sites.
- Managing the project twitter account both to enable knowledge transfer among network members and also to raise awareness of the water-energy challenge.
- Editing and producing a quarterly project newsletter.
- Coordination of project events and workshops to showcase the implementation of technology platforms
- Creating brokerage opportunity among industry partners.
- Contributing to project reports.
Applicants for appointment at postdoctoral researcher level: must hold a PhD in a business, management, sustainability of water supply, treatment and end-use, engineering management or environmental management. Applicants from water and energy related disciplines with a keen interest in stakeholder engagement, water industry decarbonisation and science communication are welcome to apply. As this role has, at its core, inter-sectoral and interdisciplinary collaboration and communication, applicants with hybrid industry/academic experience post PhD are particularly welcome to apply.

All applicants must provide evidence of the following:

- A research record with evidence of recent publications relating to management of innovation, management of technology, operations improvement or organisational learning, developments in the water/energy sector.
- Engagement with business and management practice related to innovation, operations improvement or organisational learning, ideally in the water/energy sector.
- The ability to engage as a member of a multi-disciplinary research team.
- Excellent interpersonal skills, and an ability to present and communicate ideas and concepts clearly in educational and industry contexts. A record of supervision or mentoring of young researchers in industry or academic sectors.
- Evidence of social media impact for Science communication and/or water and energy stakeholder engagement, including production of non-scientific articles: advanced user of Twitter, LinkedIn and other social media channels, including scientific magazines tailored to inform non-technical audiences/general public.

Please send a cover letter, CV and the names of two referees, at least one of whom should be an academic, to Prof. Paul Coughlan at the address below on or before February 18 2019. The appointment may commence in March 2019 or at the earliest date thereafter. Salary €37,383 to €40259. The term of the contract may extend to August 31 2021.

Prof. Paul Coughlan
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