SUP&R ITN
Sustainable Pavement & Railway
Initial Training Network

www.superitn.eu

ER2 - Experienced Researcher (Post-Doc)

Universita' degli Studi di Palermo (IT)

SUP&R ITN is a Joint Academia-Industry "Training – through – Research" Programme that aims to setup a multidisciplinary and multi-sectoral network in order to form a new generation of engineers versed in sustainable technologies and to provide, to both academia and industry, design procedures and sustainability assessment methodologies to certify the sustainability of road pavement and railway infrastructure.

Project 3.2: Sustainability assessment of Railways and SUP&R ITN technologies (ER2)

The role is to conduct research in the area sustainability assessment of current and developing railway infrastructures. As part of a research team, the successful candidate will establish current sustainable practices in railway track construction, in the EU and USA. This will complement current research, which is defining a broad sustainability assessment methodology for transport infrastructure. The researcher will need to identify or define best practice and sustainability indicators for railway infrastructure. Furthermore, they will complement the current work toward the definition of a sustainability assessment tool for transport infrastructure and its application to the SUP&R ITN technologies investigated during associated PhD studies. The researcher will also cooperate with an Experienced Researcher taking the work forward to an assessment tool, at IFSTTAR (France).

Project Objectives

- Establish current sustainable practices in Railway track construction, in the EU and USA
- Create a sustainability rating system for railways
- Complement current research on the definition of a sustainability assessment methodology for roads and railways
- Collaborate towards the sustainability assessment of the SUP&R PhD studies and the creation of the SUP&R ITN sustainability assessment tool

The University of Nottingham
UNITED KINGDOM · CHINA · MALAYSIA

AECOM

Environment:

The research is carried out within the framework of the Marie Curie Initial Training Network 'SUP&R ITN – Sustainable Pavements & Railways' with opportunities to join network wide training events and international collaboration. The candidate will work within the Work Package 3 (WP3). The project will be developed through planned international collaborations with at least two international partners and will ideally involve secondments at the premises of two international partners; experts in sustainability assessment.

The successful applicant will register for an 18 months PostDoctoral Research fellowship at the University of Palermo, IT. The total funding available for each position is in line with the Marie Curie ITN Scheme, and comes to €58 500 per year. This amount will be multiplied for a country factor and an extra allowance will be available to cover mobility expenses. The fellows will pay taxes according to the rules of the country of recruitment. A career development plan will be prepared for each fellow in accordance with his/her supervisor and will include training, planned secondments and outreach activities.

Profile:

Here's what we expect from you:

- Satisfies the eligibility criteria for ER on Marie Curie Multi-partner ITN

Candidates should also have:

- PhD in relevant area of civil engineering, transport infrastructure and/or sustainability assessment **with maximum 5 years research experience**
- Ability to establish credibility and work cooperatively with others including company management, staff, suppliers, customers and external contractors
- Use of sustainability assessment systems and knowledge of railway construction and operation
- Excellent computer skills and English language skills are required. You discuss fluently in English, and your writing skills are on a level suitable for scientific publication.
- Written and verbal communication that is clear, well-structured and easy to understand
- An organised and methodical approach to work, to manage own time and workload effectively
- Responsibility for delivering project objectives
- Flexible approach to problem solving

To apply for this position please follow this link
www.superitn.eu

Informal enquiries:
About both this appointment and the whole SUP&R ITN project may be addressed to Dr. Davide Lo Presti Davide.Lopresti@nottingham.ac.uk and Prof. Gaetano Di Mino gaetano.dimino@unipa.it

Please note that applications sent directly to these email addresses will not be accepted.