

14 open Ph.D. positions within XP-Resilience



XP-Resilience: extreme loading analysis of petrochemical plants and design of metamaterial-based shields for enhanced resilience

XP-RESILIENCE is an inter/multi-disciplinary programme including seven academic partners, one Institute of Applied Science and seven private companies from ten different European countries. XP-RESILIENCE intends to establish a network of individual research projects working towards Advanced Modelling and Protection –via metamaterial-based isolators/layouts- of Complex Engineering Systems for Disaster Reduction and Resilient Communities.

The objective of XP-RESILIENCE is to train researchers combining a robust academic foundation in reliability/resilience with practical experiences, technological expertise with awareness of the socio-economical context and conviction to furthering research with an entrepreneurial spirit. It aims at offering innovative research training ground as well as attractive career development and knowledge exchange opportunities for 14 Early Stage Researchers (ESRs) through cross-border and cross-sector mobility for future growth in Europe.

Columbian Carbon Europa (CCE) (<http://www.birlacarbon.com/Webpages/privacy-policy.aspx>) will recruit an ESR, with enrolment in the PhD Programme in “Civil and Environmental Engineering” at **Politecnico di Torino (POLITO)**, Department of Structural, Geotechnical and Building Engineering (<http://www.diseq.polito.it/>):

- **ESR14:** Operational modal analysis of petrochemical plants based on optimal sensor placement. Applications are welcome from students with master qualifications in the areas of civil/mechanical/electrical engineering or a similar field of study, with a possibly strong background in numerical modelling, dynamics and sensors (contact rosario.ceravolo@polito.it or luca.zanottifragonara@polito.it, for details)

To be eligible, candidates must comply with mobility requirements. Please see http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-appl16-msca-itn_en.pdf for details.

More information and application at:

[http://www.diseq.polito.it/news/\(idnews\)/8022/](http://www.diseq.polito.it/news/(idnews)/8022/)

The application deadline for the position is officially 1/9/2016.

Funding

Project Reference: **721816**
Call: **H2020-MSCA-ITN-2016**
Period: **10/2016 -> 10/2019**

