**MARIE-CURIE ITN Fellowship**

The Structures Laboratory of the Department of Civil Engineering of the University of Patras, Greece (<http://www.strulab.civil.upatras.gr>) under the Marie Curie ITN (H2020-MSCA-ITN-2016) “XP-RESILIENCE: extreme loading analysis of petrochemical plants and design of metamaterial-based shields for enhanced resilience” project (<https://sites.google.com/a/unitn.it/xp-resilience/>) invites applications for one full-time Early Stage Researcher (ESR) position, with a maximum duration of 18 months, starting April 1st, 2017.

The research will focus on the development and application of numerical models for the response of concrete support structure – pipe interaction for petrochemical plant components subjected to seismic loading. In addition, fragility curves will be developed regarding the seismic risk of concrete substructures.

Further details regarding the position can be found at:

<https://sites.google.com/a/unitn.it/xp-resilience/early_stage_researcher/esr03>.

Applicants should demonstrate evidence of the following: educational background in structural engineering (MSc in Civil and/or Structurall Engineering), effective communication skills in English (both written and verbal), report writing skills and a team-working spirit. Past experience in numerical modelling as well as in probability theory will be an advantage.

The successful applicant will be required to participate in the training/career development activities organized for all ESRs by the XP-RESILIENCE consortium, as well as to undertake trans-national mobility (he/she will have to spend a 4-month secondment period with a company to develop skills in design of petrochemical facilities and project management).

**Eligibility – Requirements:**

Researchers applying for this position must (at the time of recruitment) be in the first four years (full-time equivalent research experience) of their research carriers and not yet have a doctoral degree. Researchers can be of any nationality (including Greek) and should not have resided or carried out their main activity in Greece for more than 12 months in the 3 years prior to the start date of their employment (proposed starting date: April 1st, 2017). For further details regarding eligibility requirements, please see <http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-appl16-msca-itn_en.pdf>.

Short-listed candidates may be requested to participate in a brief online interview.

Please apply for the position by sending: your CV, scanned copy(ies) of your degree(s), a motivation letter and 2 names of referees, all in a single PDF file, to **Prof. S. Bousias** (email: sbousias@upatras.gr).

The application deadline is 25/3/2017.