Ref: DOB/RESEARCH/2015-01-08

Research Fellow or Research Assistant—Prototype FPSWizard: A Design Support System to Improve the Selection and Design of Personal Fall Protection Systems

Job Title: Research Fellow or Research Assistant (Engineering design of fall protection system)

Updated: Jan 8, 2015

Period of employment: About 8-9 months (with possibility of extension)

Duties and responsibilities:

The Candidate will conduct research-related activities such as:
- Field work, e.g. observing and recording work-at-height;
- engineering design of fall protection systems, e.g. horizontal lifeline and vertical lifeline;
- develop MS Excel templates to facilitate calculation of fall clearance and impact force;
- use ABAQUS to validate the results in the MS Excel;
- compile literature into EndNote database; and
- conduct interviews and focus group discussions.

Minimum Requirements:
- PhD for research fellow or Masters for research assistant;
- experience with ABAQUS and MS Excel; and
- academic writing experience.

Remuneration:
- Salary will commensurate with the candidate's qualification and experience.

Other Details:
- Candidates with the following experience or knowledge will be preferred:
  - Design of system with impact load;
  - publications in peer-reviewed journals; and
  - work experience in construction or other heavy industry.

Contact details for further information:
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