Ref: DOB/RESEARCH/2014-12-30

Post-doctoral position/ Research Fellow – Prototype FPSWizard: A Design Support System to Improve the Selection and Design of Personal Fall Protection Systems

Job Title: Post-doctoral or Research Associate (Engineering design of fall protection system)

Updated: Dec 30, 2014

Period of employment: About 6-8 months

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 or Masters (preferably finishing a PhD);
• 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:
  o Design of system with impact load;
  o publications in peer-reviewed journals; and
  o work experience in construction or other heavy industry.

Contact details for further information:
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