

---

<b>Job Title</b>	<b>Postdoctoral Research Fellow (Dynamic Material Behaviour)</b>
<b>Unit/Organisation</b>	Department of Mechanical Engineering, NUS
<b>Application Deadline</b>	15 June 2009
<b>Job Description</b>	<ul style="list-style-type: none"><li>• Experimental, theoretical and computational work on the static and dynamic mechanical behaviour of structures and materials, including non-metallic, cellular and biological materials.</li><li>• Development of constitutive and material failure models based on experimental data; incorporation of material models into computer simulation codes.</li><li>• Writing of research papers; assistance in formulating/writing research proposals and in vetting technical articles.</li></ul>
<b>Requirements</b>	<ul style="list-style-type: none"><li>• A PhD from a reputable university; knowledge of dynamic stress analysis, constitutive material modelling; experience in dynamic materials testing (e.g. split-Hopkinson bars, gas guns, impact testers) and use of computational simulation codes (e.g. ABAQUS, LS-DYNA).</li><li>• Good written and verbal communication skills – experience in writing of research proposals, and papers in English for reputable international journals.</li><li>• Personal qualities – high degree of initiative, ability to work independently, positive attitude, interpersonal skills and commitment to deliver results.</li></ul> <p>The duration of the appointment is from 1 July 2009 to 30 June 2011. The salary will be commensurate with qualifications and experience. Leave and medical benefits are provided.</p>
<b>Contact Person</b>	Please send your CV to: Prof. Victor Shim (vshim.me@nus.edu.sg)