

Computational Mechanics Researchers

(Two Positions available based in Auckland)

Your next scientific challenge beckons !!

Industrial Research Limited (IRL) is one of New Zealand's leading scientific research organisations. Through the creation of intellectual property and world-class science, our role is to discover and develop leading-edge technologies then bring them to commercial reality.

The Future Materials & Structures (FMS) group is part of IRL's multi-disciplinary Imaging & Detecting team which is focused on delivering value to New Zealand's specialised manufacturing and particularly the ICT sector. We are a team of highly capable scientists and engineers with expertise in structural and materials modeling and design. We are currently expanding our computational modeling capability and have opportunities for two innovative and passionate scientists or engineers.

The role involves the application of advanced modeling and simulation methods to research on inhomogeneous solids and structures, with an emphasis on complex systems such as composites and meta-materials. The position is research oriented but also provides opportunities to consult with industry on commercial projects. It would suit an engineer or scientist preferably with a PhD in Engineering, Physics, Materials Science or a related field. Candidates with expertise in theory and computation of the mechanical behaviour of composites, structural dynamics, wave propagation and acoustics are encouraged to apply.

The specific skills and experience we are looking for are:

- Proven ability in research, as evidenced by a thesis or publications in international journals, and a network of collaborators;
- Strong analytical skills and knowledge of numerical methods for solving differential equations, such as finite element analysis (FEA);
- Ability to work in a team environment;
- A passion for applying research to real-world problems;
- Ability to lead or contribute to grant proposals.

Further information about the role can be obtained by contacting Diana Siew, D.Siew@irl.cri.nz 0064-9-920-3429 or Emilio P. Calius, e.calius@irl.cri.nz 0064-9-920-3100

Applications close on Monday 17 September 2007

Application Details:

Please forward your resume highlighting your skills and experience to:

Hayley Auld, Industrial Research Limited, P O Box 31-310, Wellington,
Or E-mail: vacancy@irl.cri.nz

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