A post-doctoral position funded by the National Science Foundation is available starting immediately on the atomistic simulation of thermal transport and fluid flow in carbon nanotube networks. These carbon nanotube networks have potential use in next-generation thermal management applications. The appointment is initially for one year with possible extension up to three years. This position is offered by Professor Alan McGaughey (Mechanical Engineering, Carnegie Mellon University, Pittsburgh, PA). The work is in collaboration with Professors Shelley Anna (Mechanical Engineering & Chemical Engineering, Carnegie Mellon), Mohammad Islam (Chemical Engineering & Materials Science and Engineering, Carnegie Mellon), and Kevin Pipe (Mechanical Engineering, University of Michigan, Ann Arbor, MI), who are performing complementary experiments.

A PhD in Mechanical/Chemical Engineering, Materials Science, Physics, or a similar field is required as is experience working with molecular dynamics simulations and/or lattice dynamics calculations. Familiarity with phonon physics is a strong asset.

To apply for this position, please send a resume and the names and contact information for three references electronically to:

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