

Behdad Moghtaderi: Behdad is a Professor of Chemical Engineering and the Deputy-Director of the Priority Research Centre for Energy at the University of Newcastle (Australia). He received his PhD and MES degrees from the University of Sydney in 1997 and 1994, respectively and his bachelor degree from Shiraz University in 1989. The underlying theme of Behdad's research is "*Thermo-Fluid Engineering*" encompassing applications in the general field of energy and the environment. The focus of his research is development of technologies suitable for direct/indirect minimisation of greenhouse emissions, particularly in application areas, such as: renewable energy systems (geothermal power, biomass utilisation), advanced clean coal technologies (e.g. oxy-fuel and chemical looping combustion), hydrogen powered micro-energy systems, and energy efficiency. Behdad has published in excess of 200 scholarly articles in international journals, and conferences, authored two books and holds three patents. Since joining the University of Newcastle in 1999 Behdad has attracted in excess of \$11.5M research funding predominately from the Australian Research Council (ARC) and Industry. Behdad is a fellow of the Institution of Engineers Australia (IEAust) and the Australian Institute of Energy (FAIE), and the Honorary Secretary of the Combustion Institute (Australia and New Zealand Section). He also serves on the editorial boards of several scholarly journals in the field of energy. Six (6) PhD students have completed their studies under Behda's supervision and 12 others are currently pursuing their postgraduate studies under his guidance. Behdad also currently supervises 7 Postdoctoral Research Associates.

