

**Professor Adel O. Sharif**

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Adel Sharif is professor of Desalination and Process Innovation, and Founder Director of the Centre for Osmosis Research and Applications (CORA) at the University of Surrey, UK. Prof. Sharif is the winner of the 2005 UK Royal Society Award for Innovation in Science and Technology. He is also the winner of the 2008 Science Business first pan-European Academic Enterprise Award in the category of Energy/Environment.

Prof. Sharif founded CORA in 2003, the UN Year of Fresh Water. The centre's research activities in the area of osmosis science and applications have resulted in a number of inventions in the areas of desalination, water treatment, and renewable power generation. These inventions have the capacity to significantly change the economic and performance characteristics of industries, such as desalination, water treatment, power generation, oil, chemical and energy industries, that use or produce large quantities of dilute solutions.

Prof. Sharif is the principal founder and a director of Surrey Aquatechnology Ltd, the University of Surrey spin-off, prior to its merger with Modern Water Ltd, as part of the successful strategy which led to the raising of £30 million investment in the company from London's Alternative Investment Market, giving the company a market value of £70 million. Recently, Modern Water won the 2009 AIM Sustainability Award.

Prof. Sharif and his team were awarded the UK Department of Trade and Industry (DTI) Smart Award (Small Merit Award for Research and Technology) for their work on Bio-desulphurisation and microbial-enhanced oil recovery.

Prof. Sharif is also the winner of the 2007 Muslim News UK Fazulalrahman Award for Excellence in Engineering, Science and Technology.

Prof Sharif's main research interests are in desalination, water purification and water re-use, secondary oil recovery, direct use of solar in desalination, osmotic energy for renewable power generation. He obtained his first degree in Chemical Engineering from Baghdad University in 1986, followed by M.Sc and PhD from University of Wales Swansea in 1989 and 1992 respectively. He has over 70 publications, and an inventor and co-inventor of 12 patents, and has supervised over 14 PhD projects, and more than 20 M.Sc. dissertations.