Abstract for Plenary at the INEER (International Network for Engineering Education and Research) Conference Belfast, August 2011

## **Engineering Sustainability for a Global Economy**

## **Professor Helen Atkinson FREng**

## President Engineering Professors' Council UK and Head of the Mechanics of Materials Group, Department of Engineering, University of Leicester

How do we best sustain engineering as a discipline? How do we develop engineers who will create wealth whilst protecting the environment and reducing global warming? How do we nurture young people to have that global view which will fit them for the future job market in a challenging world? Here I will give a series of examples from industry of where significant engineering achievements have led to reduced energy and natural resource demands and draw out the key engineering attributes which have led to those achievements. We then set the framework of focussing on how to educate for those attributes.