Society needs fuel to power heating, cooking and transport. Electricity is used to power industry and commerce, operate equipment and light our lives.

This energy demand is rapidly increasing – not only is the world’s population rising, but global development and new technologies are making that population more energy-hungry.

Meeting this demand presents a crucial challenge for chemical engineers in the decades ahead. Our main energy sources are running out, and the climate change challenge increases the need for environmentally-friendly solutions: carbon-capture, nuclear, solar, biomass, wind, hydrogen – where does the future of power generation lie?