



4th International Symposium on
Energy **C**hallenges & **M**echanics
- working on small scales

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Speaker of Session 08

FUEL CELLS



I have received my MSc degree in Polymer Engineering & Science from The University of Birmingham in 2009. The title of my MSc dissertation project was “The Effect of Crosslinks on the properties of polyether-ether-ketone (PEEK)”. Since 2010 I have been working on my PhD project regarding Polymer Electrolyte Membrane (PEM) Fuel Cell Seals Durability at the Department of Materials in Loughborough University - under the supervision of Dr Jane Clarke. My research involves identifying the most suitable elastomeric material for durable PEM fuel cell seals. It has been focused on investigation of the degradation mechanism of silicone rubber as the existing gasket material as well as developing new

alternative materials, such as EPDM, for fuel cell applications.

