

## **"Energy storage: from hearing-aid batteries to pumped hydroelectricity"**

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Our increasing dependence on intermittent renewable energy production places a greater focus on the development of novel, affordable energy storage. The recent emphasis on electrochemical storage, and on lithium batteries in particular, addresses a significant component of our future energy storage requirements but future low-carbon energy scenarios must utilise a broad range of storage options. After a general introduction to energy storage, the talk will focus on both electrochemical and chemical energy storage options with a particular emphasis of zero carbon chemical energy carriers.