



**TUESDAY 30<sup>th</sup> June 2pm**

**Invited industrial talk from:**

**Alasdair Robertson – Invinity Energy Systems**

*Vanadium Flow Batteries: An Overview and R&D Insights.*

**Abstract:**

Invinity Energy Systems, formed by a recent merger of redT Energy (UK) and Avalon Battery (Canada), are a global leader in energy storage solutions, whose primary business is the development, manufacture and supply of vanadium flow batteries. These large-scale energy storage units, in which energy is stored within a vanadium-rich liquid electrolyte, provide a complementary means of energy storage to the more widely known lithium batteries, and have applications in various areas including the storage and time-shifting of renewably generated energy, and in balancing the grid supply. An overview of Invinity's core vanadium battery technology will be presented, along with insight into our current research programmes. Challenges within the sector will be outlined, and opportunities for potential areas of collaboration between Invinity and academic researchers will also be highlighted.

**TO REGISTER**

[https://uofglasgow.zoom.us/webinar/register/WN\\_IBB42IA6RPyezi53ka6POg](https://uofglasgow.zoom.us/webinar/register/WN_IBB42IA6RPyezi53ka6POg)

**1:1 with the speaker**

*If you wish to have 1:1 discussions with the speaker directly after the talk (15 min slots) or at a later time please email Alan Wiles [aaw9@st-andrews.ac.uk](mailto:aaw9@st-andrews.ac.uk) to receive meeting invitations.*

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