



# **THE GEOTHERMAL ASSOCIATION OF IRELAND**

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## **GAI Lecture**

### **“Geothermal Heating and Cooling Systems for Commercial Buildings”**

Presented by

**David Roome CEng MIEI FCIBSE MIRI**  
D C Compute Air Ltd.

**Date: Tuesday April 28<sup>th</sup>**

**Venue: GSI Lecture Theatre 5.30 for 6pm**  
**Beggars Bush**  
**Haddington Road**

*David Roome is managing director of D C Compute Air Ltd. for 30 years and a director of Refrigeration Technology Skillnet for 9 years, a company that is responsible for training over 350 refrigeration and air conditioning companies. His work covers designing and supplying Geothermal and energy efficient systems. Working on Geothermal systems for over ten years with open loops, closed loops, horizontal and vertical loops with projects ranging from a few kilowatts to many megawatts, heating only, cooling only and simultaneous heating and cooling, using variable speed drives and ground water.*

The talk will address the proposed design and mechanisms for understanding Geothermal heating and cooling systems for commercial buildings using a variety of collectors and delivery systems to the buildings and therefore meeting the new Energy Performance of Buildings Directive for commercial buildings.

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