

**Free
Public
Lecture**



At the Royal Society of Edinburgh (RSE)

Monday 30 June 2008

6.00pm

Structures and Granular Solids

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More than 60% of all feedstock to industrial processes is in the form of small particles (powders or granular solids). Huge quantities of these materials are stored between each transportation or processing stage, within industries ranging from food processing to steel making, cement, plastics and pharmaceuticals. However, structural failures in silos are very common in all countries, since the flow behaviour of granular solids is not well understood, and the thin shell silo structures used to store them have complex behaviours similar to space rockets. This lecture outlines some interesting, scientific challenges in both particulate solids and shell structures, illustrating them with anecdotes from forensic investigations of disasters.

**Open to all and free to attend
Registration required**

www.royalsoced.org.uk

**For tickets and further information
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