

Environmental Applications of Accelerators

Hosted by STFC @SciTech Daresbury

8-9 July 2013



Science & Technology
Facilities Council

Knowledge
Transfer
Network

Environmental
Sustainability



HEP Tech

Leading HEP technologies for industry
Technology Transfer opportunities

No Alarm planned

- Move to the nearest exit and the congregation point is outside Vanguard house



Toilets




• out of the room & turn right

Mobile Phones



- Please switch to silent

- 
- A black and white photograph of three men in suits standing in a laboratory. The man on the left is bald and wearing glasses. The man in the middle is older, wearing glasses, and has his hands clasped. The man on the right is smiling and looking towards the other two. They are standing in front of a large piece of equipment with several gauges and dials. A name tag is visible on the man in the middle, and another is on the man on the right. The background is a brick wall.
- 50 year's experience of cutting edge accelerator research
 - transfer that knowledge to application areas...
 - aims & purpose of the day

Time Keeping

- Please keep to time
- Questions in the break out sessions
- Presentations will be available on the web after the event

Timings

3

1

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Part 1

- Industry's Challenges: Metal Working Fluids
- Case study: Developing a hybrid technology for treating recalcitrant water contaminants using electron beams
- Industry's Challenges: Water Treatment
- Industry's Challenges: Sludge Treatment
- Case study: Water irradiation using an industrial electron beam accelerator



Coffee Break

15 Mins

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Part 2

- Technology solutions:
 - State-of-the-art Accelerator Technology
 - Accelerators for treating water
 - Accelerators for sludge treatment
 - Q&A
- Funding: STFC Funding Opportunities
- Funding: External Funding Opportunities
- Explanation of breakout sessions and movement to allocated rooms



Lunch

50 Mins

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Part 3 - Breakout

- Water treatment
- Sludge treatment



Coffee Break

15 Mins

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Part 4 - Summaries

- Water treatment
- Sludge treatment
- Networking and 1:1