

Environmental Applications of Accelerators

Hosted by STFC @SciTech Daresbury

8-9 July 2013



Science & Technology
Facilities Council

Knowledge
Transfer
Network

Environmental
Sustainability



HEPTech

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



- 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