



## **Joint seminar of the John Adams Institute for Accelerator Science and the Particle Therapy Cancer Research Institute**

Thursday 2<sup>nd</sup> May 2013 at 2:30pm  
Fisher Room, Denys Wilkinson Building

### ***Technology Challenges of Commercial Medical Electron Accelerators***

**John Allen**  
**Chief Engineer, Elekta Ltd**

*Abstract:* Commercial medical accelerators that generate therapeutic x-ray or electron beams have been produced since the 1950. There are now more than 7000 such systems being used clinically around the world. Despite being a mature technology a lot of R&D is still required to improve these machines, provide more effective modern treatments and scale the latest technology to more and more users. This talk will highlight a few of these technologies that have been key to recent developments at Elekta.



*Picture of the Elekta Agility™ 160 leaf collimator system*

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