

Fusion - Powering our Future

Presented by:
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Evening Lecture: Wednesday 20 November 2019

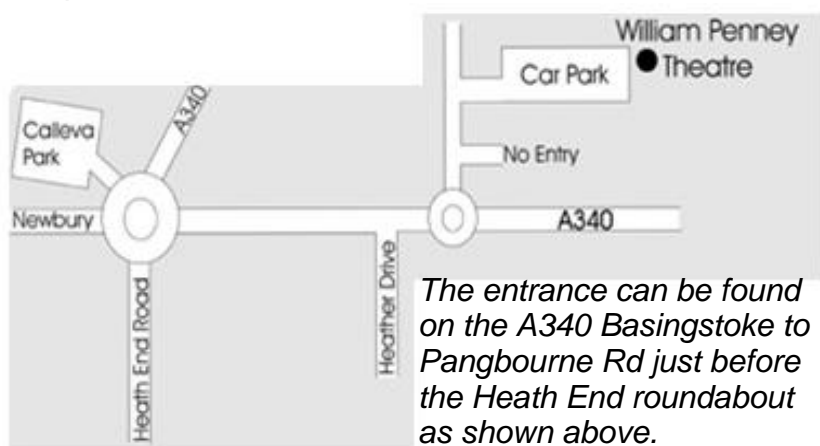
Doors open from 17:30 for a 18:00 start. Refreshments & buffet provided.
William Penney Theatre, AWE Recreational Society, Aldermaston, RG7 4PR

Synopsis:

With climate change the top of everyone's agenda, the hunt for alternative sources of energy has never been more important. In rural Oxfordshire in the UK, a thousand scientists and engineers are working to develop a new source of electricity from Nuclear Fusion.

This lecture will discuss the fusion of hydrogen nuclei which is the process that powers the Sun and its successful replication at the European JET project resulting in a world record for energy production from fusion power (16MW) and the support to ensure that the next step international device ITER will hit the ground running, when it comes into operation in the mid 2020s. UKAEA are also developing key technologies (robotic maintenance, fuel cycle, materials etc.) required for the first fusion power stations.

The first fusion power stations should be starting up in the next 30 years – harnessing the power of the Sun for all of us here on earth!



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