

# Public Lecture and Presidential Address: The Climate Change Challenge and the Water Cycle

Dr Jean Venables, OBE, FEng., President of the UK Institution of Civil Engineers and its first woman President, will set down the fundamentals of the climate change challenge and how they affect the water cycle. She will address the implications of climate change on the water cycle under six main headings:

- water supply
- environmental impacts
- drainage and wastewater treatment
- flood risk management
- predicted changes, for example seasonal changes and increased storminess, and
- carbon, and the need for carbon accounting alongside financial accounting, and the potential changes this would bring to decision-making on water infrastructure.

Dr Venables will review the Thames Estuary 2100 Project (UK) and its planning provisions for flood risk management in the Thames Estuary through to the Year 2100, taking predicted climate change effects into account.



**When:** Wednesday, 10<sup>th</sup> December 2008

**Where:** Auckland War Memorial Museum Auditorium (*the new one*)  
Refreshments served in Auditorium lobby prior

**Time:** 18.30 hrs Refreshments served  
19.00 hrs Lecture

*Jean is a strong advocate for women in engineering. ICE in New Zealand would like to offer the opportunity for six young women engineers to dine with Jean following the main lecture. Please register your interest immediately, as places will be given on first response basis.*

**RSVP to ICE Transtasman Administrator Nicky Egyed**

**Email:** [transtasman@ice.org.uk](mailto:transtasman@ice.org.uk) with the subject heading "JVP"

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