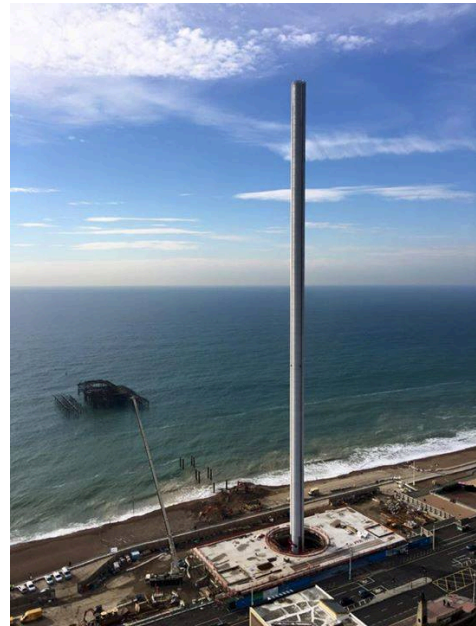


## ***Design and Construction of the British Airways i360 Viewing Tower in Brighton – the World’s Most Slender Tower***

***Dr. John Roberts, Past-President IStructE***



The British Airways i360 Viewing Tower at Brighton is 162m high and only 3.9m in diameter – it is the world’s tallest moving observation tower and was officially recognised as the “*World’s most slender tower*” by Guinness World Records. It was completed in early August 2016 and has already carried almost 1 million passengers. This is a unique opportunity to hear the inside story of this £48 million project from the first design proposals (back in 2005), the detailed design, through to the construction work on site, and the operating arrangements. The steel tower has been designed with two novel structural systems to mitigate any dynamic responses during high winds and was erected, without the use of a crane, by a unique “top-down” jacking method specially designed for this project.

The engineering design team was led by Dr. John Roberts who will deliver this presentation. John is an Executive Director of Operations of Jacobs and is one of the UK’s leading structural engineers, having been President of the IStructE in 1999/2000 and Gold Medallist in 2005. He is also a Visiting Professor in Engineering Design at Manchester University.

**6.30pm, Tuesday 9<sup>th</sup> April**  
**TU Dublin, Bolton Street**

**Tea and Coffee from 6pm**

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