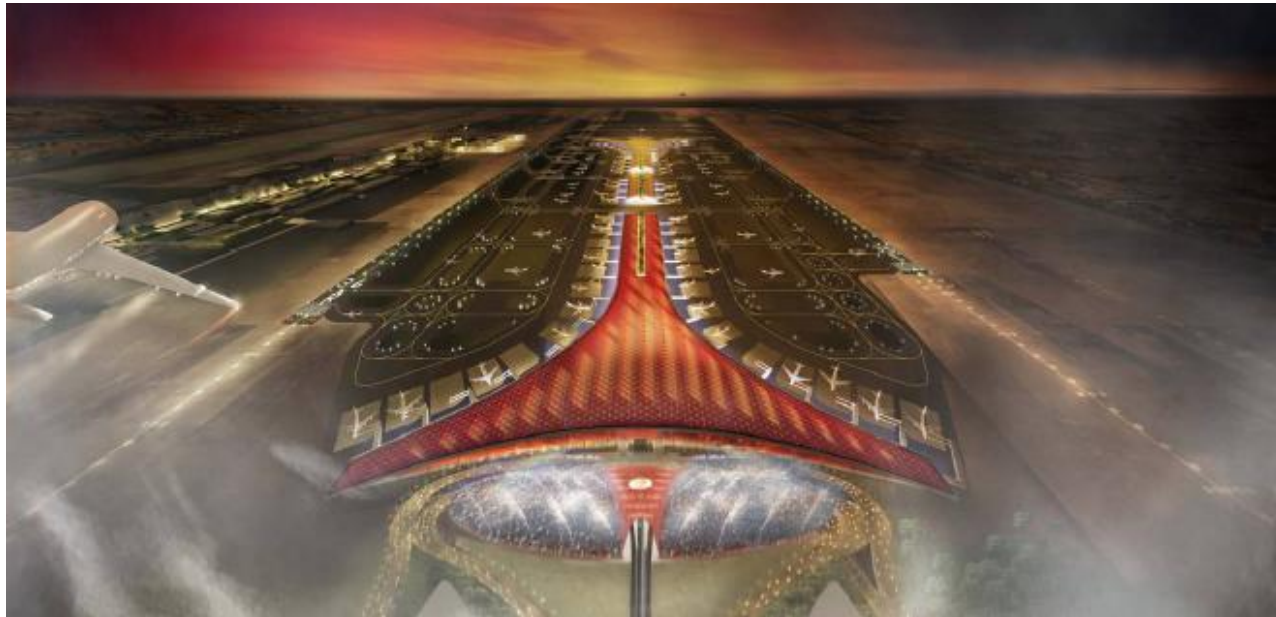


*The Institution of Structural Engineers in association with
Engineers Ireland and the Irish Concrete Society*

Beijing Olympic Terminal

Presentation by Dr Holger Falter, Arup Consulting Engineers



Abstract

As part of the projects for the 2008 Olympic Games, a joint venture between Foster & Partners, Arup and NACO won an international competition for a new airport terminal building, Terminal 3 in Beijing, China. A particularly interesting feature of this project is the 350,000m² large roof structure with double curvature which has been designed as a modular space truss system in steel. This presentation describes the design process from the architectural idea through the structural concept, design and detailing as well as current progress on site. In his introduction, Dr Falter will illustrate how 3-D geometrical concepts influence the selection and design of various forms of space structures.

Speaker

Dr Holger Falter studied structural engineering and received his Doctorate from the University of Stuttgart after which he joined Arup Consulting Engineers. He has extensive experience in the structural design of buildings, large roofs, glazed façades and footbridges in the UK, Germany, Switzerland and China and has published several articles on the design of structures.

8.00 pm Tuesday 14th November 2006, Rochestown Park Hotel.

Cheese and wine reception following the lecture – sponsored by Arup Consulting Engineers.

All are welcome

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