



WJS ADVANCED MATERIALS TECHNICAL GROUP MEETING

'Highway in the Sky' The Design and Building of the Millau Bridge

Details of the next meeting of this group are as follows:

DATE: Thursday 9 September 2010
VENUE: TWI Conference Centre, Granta Park, Great Abington, Cambridge CB21 6GP
TIME: Coffee and Registration 08.30 hrs
Meeting Commences 09.00hrs

For many years the town of Millau was a notorious bottleneck for traffic passing through the region of the Massif Central en route from Paris to the Mediterranean. Over the years many solutions have been considered and rejected due to the mountainous nature of the terrain and difficulty of building.

Finally as part of the bypassing motorway a futuristic bridge of breathtaking proportions was proposed.

This bridge would have seven slender pillars rising in excess of 1100ft to support a deck approximately 900ft above the river Tarn and would be seen, not just as a solution to a traffic problem but as a tourist attraction and an example of engineering brilliance.

As would be expected designing and building such a structure would generate many difficult engineering problems requiring considerable innovation for their solution.

This seminar features the design; fabrication and construction of the deck and the design and installation of the supporting cables.

Additionally the current European design rules for bridges will be reviewed.

Pre-booked lunch and refreshments will be available on the premises at a cost of £10 for members. The fee for non-members is £50 including lunch plus VAT (£58.75).

To enrol, please complete your details ON-LINE at www.eventsforce.net/10AS. If you are unable to register on-line, please contact Becki Parratt for an enrolment form (Tel: +44(0)1223 899000).

NB Your enrolment will be confirmed and location details will be included.

If you would like more information on membership of the Welding & Joining Society and how to become a member, please contact wjs@twi.co.uk. If you have any queries, please do not hesitate to contact me at becki.parratt@twi.co.uk.

PROVISIONAL AGENDA

WJS ADVANCED STRUCTURES

TECHNICAL GROUP MEETING

TWI Conference Centre,

Granta Park, Great Abington, Cambridge CB21 6GP

Thursday 9 September 2010

Highway in the Sky

The Design and Building of the Millau Bridge

Chairman: Mr Owen Gorton

Secretary: Dr Radu Dimitriu, TWI

08.30 Registration and Coffee

09.00 Introduction and welcome, *Owen Gorton, Chairman*

09.10 Introduction to Bridge Design Rules

Martin Ogle, TWI Ltd

09.50 The Millau Viaduct Concept (Initial Concept, Purpose etc)

TBC, Greish

10.30 Coffee/Tea Break

10.50 Design of Pylons and Deck

TBC, Greish

12.20 Lunch

13:30 Fabrication of the Deck

TBC, Eiffage

14.30 Erection of the Deck

TBC, Eiffage

15.30 Coffee/Tea Break

15.45 Fabrication of Stay Cables

TBC, Freyssinet

16.30 Question Session

16.45 Dispersal

Programme is subject to change.