

# ANNOUNCING THE INAUGURAL LECTURE OF THE IRISH NATIONAL GROUP OF IABSE

Trinity College Dublin,  
Tuesday, 16th November 2010 at 7:15 pm.



## **Design of Major Bridges - State of the Art and Current Trends. Miguel Angel Astiz. Carlos Fernandez Casado SL. (<http://www.cfcsl.com>)**

The IABSE Irish National Group would like to invite you to attend its Inaugural Lecture in the Robert Emmet Theatre, Arts Block, Trinity College Dublin, at 7:15 pm on the 16<sup>th</sup> of November 2010. The event serves a dual role as it also represents the official launch of the Irish National Group of IABSE.

This inaugural lecture, covering the subject of *Current Trends in the Design of Major Bridges*, will be delivered by Miguel Angel Astiz from the Spanish firm Carlos Fernandez Casado.

Miguel Angel Astiz is a Spanish bridge engineer with more than 30 years experience in major bridge design. He shares his professional activity between academia, where he currently holds the chair in bridge design in the Civil Engineering School at the University of Madrid(?), and professional practice in Carlos Fernandez Casado, a worldwide prestigious bridge design firm which he joined in 1977. During the last 40 years, the firm of Carlos Fernandez Casado has carried out detail design of a multitude of major structures worldwide such as:

- The River Suir Cable stayed bridge (Waterford, 2010): currently the longest main span in Ireland.
- Barrios de Luna Cable stayed bridge (Spain, 1984): which held the world record of cable stayed bridges for 4 years with a main span of 440m.
- Cadiz Bay Bridge (Spain, 2011): a 560 m main span cable stayed bridge currently under construction.
- The Danube crossing in Vidin (Bulgaria, 2011): a multi-span extrados bridge with a main span of 180m.
- Contreras high speed train Arch (Spain, 2009): a 265 m main span RC arch which currently holds the world record as the longest span for high speed trains.

We look forward to welcoming you to this event and to future lectures which will present the International state of the art in Bridge & Structural Engineering. If you would like further information on IABSE including details on membership, please do not hesitate to contact either myself or the group Secretary Mr. Marcos Sanchez.

Note this event is being staged in co-operation with the Engineers Ireland Structures and Construction Division and the IStructE (RoI Branch) and is a CPD approved event.

The places for this event are limited, in order to secure your place please email the IABSE Irish branch secretary at [msanchez@rod.ie](mailto:msanchez@rod.ie) with your details and the number of attendees.

Dr. Alan O'Connor  
Trinity College Dublin

Chairman, Irish National IABSE Group

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Cadiz Bay Bridge. 560m main span (Spain).  
Fernandez Casado SL. (To be completed in 2011).



Lowry Pedestrian Lifting Bridge. 90 m main span (Manchester,UK).  
Fernandez Casado SL. (completed in 1999).



Contreras High Speed Train Viaduct. 265 main span. (Spain).  
Fernandez Casado SL (completed in 2009).



Suir Cable Stayed Bridge. 230 main Span (Waterford, Ireland).  
Fernandez Casado SL (completed in 2009).



Danube Crossing. Vizny. 185m main span. (Vidin. Bulgaria)  
Fernandez Casado SL. (to be completed in 2011)



Zaragoza Pedestrian Bridge. 194m main span (Spain).  
Fernandez Casado SL. (completed in 2009).



IABSE is a worldwide organisation with over 4000 members in 100 countries having been founded in 1929.

IABSE deals with all aspects of structural engineering: the science and art of planning, design, construction, operation, monitoring and inspection, maintenance, rehabilitation and preservation, demolition and dismantling of structures, taking into consideration technical, economic, environmental, aesthetic and social aspects.

Membership forms can be downloaded from:

<http://www.iabse.ethz.ch/>

Visit the Irish Group of IABSE page for further information on upcoming events/seminars at:

<http://www.iabse.ethz.ch/committees/nationalgroups/Ireland/>

Further information on the Irish National Group and on the benefits of membership may be obtained by contacting the secretary of the Irish National Group Mr. Marcos Sanchez of Roughan O'Donovan Consulting Engineers at: [msanchez@rod.ie](mailto:msanchez@rod.ie)

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