



Escola d' Enginyers de Camins,
Canals y Ports de Barcelona

Universitat Politècnica de Catalunya
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An Overview of the Construction of Hongkong-Zhuhai-Macau Bridge

XIE Hongbing.

Project Administrator of HZMB Authority



Fecha: Jueves, **16 de febrero** de 2017

Horario: **15:30-17:30**

Lugar: Aula **A1001**

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Summary:

The Hong Kong–Zhuhai–Macau Bridge is a construction project 50 km long which consists of a series of bridges and tunnels that will connect Hong Kong, Macau and Zhuhai, three major cities on the Pearl River Delta in China. The longest bridge section will be 29.6 km long and will include three cable-stayed spans between 280 and 460 metres. The project also includes a 4860 meter long immersed tunnel made out of 180 m long concrete precast segments.

An overview of the design and construction Hong Kong-Zhuhai-Macao Bridge will be presented in this talk, including:

- Final design schemes of the cable stayed bridges and approach viaducts, tunnel, and artificial island;
- Technical details and challenges of the Project;
- Methodology and progress of bridge construction; and
- Special studies conducted

About the speaker:

Hong-bing XIE, Project Administrator of HZMB Authority, has over 25 years of professional experience starting from an assistant bridge engineer to senior engineer, to chief engineer and to technical Manager, involving some long-span bridge projects in China and abroad. He is also served as an active member in many bridge related technical committees, and has received many awards at national, province and local level for large and long span bridge projects he involved. He worked in design with China Railway Bridge Design and Reconnaissance Institute, Wuhan from 1989-1999, and worked in construction with China Railroad Major Bridge Engineering Corporation Ltd., Wuhan (MBEC) from 2000 to 2009. He has been working with Hong Kong-Zhuhai-Macau Bridge Authority from 2009 to end of 2016.