

JZUS-A Call for Paper

SPECIAL ISSUE:

Key Technology of Crossing-sea Bridge

Proposed topic

The construction of crossing-sea bridges has gained more attention in recent years. Up to now, Hangzhou bay bridge, Zhoushan island linking bridge and Hong Kong-Zhuhai-Macao bridge have been successfully built in China. At present, Shenzhen-Zhongshan linking engineering as one of the largest crossing-sea projects all around the world is still under construction. Aiming at series of engineering problems of crossing-sea bridges, financial support from National Key Research and Development Program of China have been set to investigate the scientific mechanisms. This special issue is organized to clarify and discuss the key technologies of crossing-sea bridges, but is not limited to it. Although distinguished achievements have been made in the design and construction field of crossing-sea bridges, it is still necessary to promote the high-level leap of crossing-sea bridges scientific research and technological innovation. JZUS-A invites Mr. Song Shenyong, chief engineer of Shenzhen-Zhongshan linking engineering, to organize the special issue of "Key Technologies of Crossing-sea Bridges" and publicly call the latest papers covering the corresponding scope.

Potential topics may include but not limited the following

- Wind and seismic behavior of crossing-sea bridges
- Disaster-causing mechanism and countermeasures of crossing-sea bridge under wind-wave-current coupling
- Risk identification and safety protection of ship-bridge collisions on crossing-sea bridge
- Stress mechanism and disaster prevention design of complex structure system in crossing-sea engineering
- Evaluation and prediction of long-term service performance of crossing-sea bridge
- Intelligent monitoring technology and method for crossing-sea bridge structures

Contributions could deal with bridge monitoring, assessment and reinforcement. New structures, new technologies, and new materials of bridges are also welcomed.

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Papers will be published online upon acceptance, regardless of the Special Issue publication date.

Welcome your contributions!

