Invitation to

## 7WCSCM

The 7th World Conference on Structural Control and Monitoring Qingdao, China, July 22-25, 2018


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The World Conference on Structural Control and Monitoring (WCSCM) is a premier leading conference, under the auspices
of the International Association for Structural Control and of the International Association for Structural Control and
Monitoring (IASCM). The WCSCM, held very four years, is
aiming at romoting advanced structural control and monitoring aiming at promoting advanced structural control and monitoring
technology for a variety of civil, mechanical, aerospace and energy systems. The precedent conferences have been held in
Pasadena - USA (1944), Kyoto - Jpana (1993), Como - Italy Pasadena - U Jolla - USA (2006), Tokyo - Japan (2010) an Barcelona - Spain (2014).

The new edition of the WCSCM, 7 WCSCM , will be organized by Harbin Institute of Technology in July 2018. The conference
will provide international research community a platform will provide international research community a platform
to contribute to the state of the art in such multidisciplinary scientific and engineering environment with new results, fresh ideas and future perspectives.
Qingdao, the hosting city of 7WCSCM, is one of most charming cities along the east coast of China. The mild climate, the beautiful sea beach, and Mount Laoshan make Qingdao City a popular healh and holiday resort, particularly
visitors to sightsee and escape the summer heat.
On behalf of the IASCM and the conference organizing
committee, I warmly invite you to ooin the 7 WCSCM. committee, I warmly invite you to join the 7 WCSCM.

HuiL
Chair of
TWCSCM,
2018
Changiiang Scholarship Professor Professor of School of Civil Engineerins
Harbin Institute of Technology, China

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| Hui Li (China) |  |

$\underset{\text { Wei-Hsin Liao (Hong Kong, China) }}{\substack{\text { Hui Li (Chia) }}}$

## Organizing Committee

Chairman: Hu Li Horbin Co-chairman: Ya-Jun Wang, Qingdao University of Technolog Member:
Yong-Feng Du, Lanzhou University of Technology
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Zhi Zhou, Dalian Instututue of Technolog
Hong-Ping Zhu, Huazhong University ol
Hong-Ping Zhu, Huazhong University of Science and Technology

# Important Dates 

| Special session proposal deadline | April 30, 2017 |
| :---: | :---: |
| Abstract submision deadline | October 31, 2017 |
| Acceprancerciececion notice | November 30, 2017 |
| Full paper submission deadine | April 15,2018 (Extended) |
| Eally bird registraion deadline | April 30,2018 |
| Conference date | July $22-25,2018$ |

## Registration Fee

|  | Ealy (by April 30, 2018) | Late |
| :---: | :---: | :---: |
| Delegate | 600 USD | 650 USD |
| Sudent | 260 USD | 300 USD |
| Accompany | 260 USD | 300 USD |

The registration fee will include: conference proceedings; eaks; lunches and dinners; banque.

## Technical Visit



## Conference Themes

$\square$ Structural Control: Feedback active, semi-active vibration control; Passive vibration control; Theoretical and algorithmic
develoments in feedaack control.
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$\square$ Structural Health Monitoring: Wireless sensor and sensor sensing technology; Computer vision; Data science and technology, Implementations of SHM, design guidelines and codes of SHM... $\square$ Smart Structure and Systems: New sensors, actuators and $\square$ Nondestructive Testing and Evaluation (NDT\&E): Robots $\square$ Nondestructive Testing and Evaluation (NDT\&E): Robots
and pilotless; Virtual reality; Novel and non-traditional NDT\&E techniques and applications...
$\square$ Applications: Bridges; Buildings, Marine structures; Aerospace


## Special Sessions

SS01: Recent research advances on structural control and health monitoring in Australia
SSO2: Research advances SSO3: Applichataion, research and design on structural control in Japan
SSOA: New dew SSO4: New development of smart tevices for structural control
SS05: Structural control of brides sso6: Seismic isolation in bivil engineering

SS07: Application and testing of new materials and techniques in semi-active vibration contro) SS08: Flow controls for wind and structural engineering SSO9: Wind effect
scale structures
SS10: Recent scale structu
SS10: Recent simulation
ss11: Devel
SS11: Development and applications of hybrid testing methods
Ss12: Structural monitoring and control of high-speed railway SS12: Stuctural monitoring and control of high-speed railway
SS13: Structural control and monitoring of wind turbine structurs SS13: Structural Control and monitoring of wind turbine structures
sS14: Recent advances in sensing technology for structural health
and monitoring
S15: Infrastructure inspection using unmanned aerial and ground vehicles
SS16: Innovations in computer vision for structural monitoring and
damage detection damage detection
SS17: Computer vi
SS17: Computer vision-based sensing and system identification
SS18: Computer vision-based structural healte moin
SI19: Structural health moased structural health monitoring
S220: Bayesian inference and uncertainty quantificati
SS20: Bayesian inference and uncertainty quantification in
structural health monitoring: new algorithms and applications ructural health monitoring: new algorithms and applications
S21: Sparse recovery technique in SHM S22: Uncertainty-involved structural model updating, damage assessment and reliability evaluation
SS23: vehicle-bridge interaction and its applications in bridgeS233. Vehicle-bridge interaction and its applications in bridg
weigh-in-motion (BWIM), damage detection, and bridge nanagemen
S24: Inspection \& monitoring for risk control and robust maintenance of urban pipelines network system
SS25: Practical estimation of
maintenance of urban pipelines network system
SS25: Practical estimation of structural displacement and its applications
SS26: Monit
26: Monitoring-based performance assessment of infrastructure S27: Monitoring-based life cycle assessmenton of infrastructuctures Sx28: Monitoring-based bridge condition assessment and safety
warning warning
SS29: Inno Spl2: Innovative technologies for system integration, SHM SS30: Understanding, mititigating, and utilizing human induced stuctural responses
S31: Application of structural health monitoring techniques S32: Smart and multifunctiona concrete S33: Strain-based structural health monitoring: new developments Ss33: Strain-base
and applicatios
ss34: Dense arra
ensors, and associated sensors, distributed and quasi-distributed SS35: Inno oastive devedolopmatanaly ysis and management SS33: Innovative developments in structural system identification
SS36: Highway Infrastructure Monitoring SS36: Highway Infrastructure Monitoring splication of Application of Structural Control in China
SS38: Structural Health Monitoring of Long-span Bridges

Conference Venue
The 7 FCSCSCM will be held in the Shangri-La hotel located in Qingdao city of China. The Shangri-La Hotel in Qingdao is located in the city's business center, close to the financial and government
district. The hotel is within walk distance to coastline and other Address: 9 Xiang Gang Zhong Lu, Qingdao, China
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## $\square$ Accommodation

As a famous tourist resort, July is the busiest tourist time for Qingdao. Therefore, the hotel room will be hard to get at this time, and
reservations in advance will be very important. For the convenience of the 7 WCSCM attendees, the Secretariat has negotiated with preferential price.

1. Shangri-La Hotel
2. Shangri-La Hotel

Add.: 9 Xiang Gang Zhong Lu, Qingdao266071, China
2. Qingdao Fuxin Hotel
Add.: No. 5, Minjiang Rd, South District, Qingdao, China Reservation link:

## $\square$ About Qingdao City

$\square$ About Qingdao City
Qingdao city is situated on the Jiaozhou bay, southern-east tip of
Shandong Peninsula, East China. It is an important economic center and coastal city of China, which is famous for its historical and
and cultural heritages and tourism industry


Option 1: Shandong High-speed Jiaozhou Bay Bridge is
$41.58 \mathrm{~km}(16.6 \mathrm{mi})$ long Shandong province, of which the over-water length is 28.8 Khandong province, of which the over-water length is 28 : 8 B
Kiaozhou Bay Bridge has three navigable sections: the Cangkou Channel Bridge to the west, the Dagu Channel Bridge this project, Shandong High-speed Group (Qingdao) Co., Ltt
has developed "Key technoloy of non-botom sealing concre has developed "Key technology of non-bottom sealing concrete
pouring jacket underwater", which successfully solved the pouring jacket underwater", which successfully solved the
problems of construction of underwater cushion caps, anti-
erosion anti-crashing etc. erosion, anti-crashing etc.
Option 2: Qingdao Olym Option 2: Qingdao Olympic Sailing Center- Verue of 2018
Shanghai Cooperation Organization Summit (Details to be Shanghai Cooperation Organization Summit (Details to be
determined) Option 3: Qingdao-Jiaodong International Airport (Details to
be determined)


## Contact

Registration/Exhibits/sponsors We are looking for sponsors to organize an exciting conference
with us together. We offer an excellent opportunity for yout company or institution to present your products and knowled to the wide community of structural control and healt monitoring. For further details, please con
Tel: 010-68028217-603/604

- Mobile: Shirley Hou: 158900192670
- Conference website: www.7wcscm.com

