Schedule of APESS 2018

Week 1 (16 July – 22 July) AM

Date	8:30-10:00	10:15-11:45	11:45-13:15
Sun. 15 July	RegistrationLocation		
Mon. 16 July	Registration *Location*	Opening Speech & Opening Lecture (10:00 – 10:15) (10:15 – 11:45) Prof. Hui Li (HIT) *Location*	Lunch Break
Tue. 17 July	Data Acquisition Prof. Bill F. Spencer (UIUC) *Location*	Finite Element Model Updating Using Monitoring Data Prof. Chung-Bang Yun (Zhejiang University) *Location*	Lunch Break
Wed. 18 July	Technical Visit #1: Seismic Isolation of Qingdao Liuting International Airport Terminal (Project of Gerb Group, China)		
Thur. 19 July	Cultural Visit: Qingdao City Tour		
Fri. 20 July	Cable Vibration and Control of Long-span Bridges Prof. Limin Sun (Tongji University) *Location*	Finite element model updating in structural dynamics Prof. Weixin Ren (Hefei University of Technology) *Location*	Lunch Break
Sat. 21 July	Bridge Vibration and Control Prof. Yozo Fujino (YNU) *Location*	Applications of Smart Sensing Technologies to SHM and NDT: From Micro-scale to Largescale Structures Prof. Hoon Sohn (KAIST) *Location*	Lunch Break
Sun. 22 July	Free Time		

Week 1 (16 July – 22 July) PM

13:15-14:45	15:00-16:30	16:45-17:45	18:00-20:00
Registration*Location*			
Title Dr. Yongchao Yang (Los Alamos National Laboratory) *Location*	**Welcome to Qingdao and Harbin: History of the Two Cities and Universities** *Location*	**Group Photo** Time *Location*	**Welcome Party** *Location*
Advanced Structure Dynamics Prof. Bill F. Spencer (UIUC) *Location*	**Wireless Sensors and Their Application to Infrastructure Monitoring** Dr. Tomonori Nagayama (University of Tokyo) *Location*		
Technical Visit #2: CRRC QINGDAO SIFANG Co., Ltd.			
Cultural Visit: Qingdao City Tour			
Title Prof. Yuequan Bao (HIT) *Location*	**Experimental Modal Analysis using Wireless Sensors** (15:00 – 18:30) Prof. Yuequan Bao (HIT) *Location*		
Real-time Hybrid Simulation to Enable Multi-Hazard Engineering Prof. Shirley Dyke (Purdue University) *Location*	**Title** Dr. Kenneth Loh (UCSD) *Location*		
7WCSCM registration			

Week 2 (23 July – 29 July) AM

Date	8:30-10:00	10:15-11:45	11:45-13:15
Mon. 23 July	7WCSCM		
Tue. 24 July	7WCSCM		
Wed. 25 July	7WCSCM		
Thur. 26 July	**Structural Control Theory** Prof. Satish Nagarajaiah (Rice University) *Location*	**Title** Prof. Songye Zhu (Hong Kong Polytech) *Location*	Lunch Break
Fri. 27 July	**Title (Deep Learning)** Dr. Soo-jin Cho (University of Seoul) *Location*	**Title** Prof. Chunwei Zhang (QUT) *Location*	Lunch Break
Sat. 28 July	Move to Harbin		
Sun. 29 July	Cultural Visit: HIT History Museum and Harbin City Sightseeing		

Color Code:

Registration	Opening/Closing Activity	Lecture/ Project Activity/Null	Lecture/ Project Activity/Null
Lab Activity	Technical Visit Outside Campus	Party	Cultural Visit Outside Campus

Week 2 (23 July – 29 July) PM

13:15-14:45	15:00-16:30	16:45-17:45	18:00-20:00
7WCSCM			
7WCSCM			
7WCSCM			
Sparse Structural System Identification Prof. Satish Nagarajaiah (Rice University) *Location*	**Condition assessment of structures by automated inspections and data fusion** Prof. Vincenzo Gattuli (Sapienza University of Rome) *Location*		
Structural Control Experiment Prof. Chunwei Zhang (QUT) *Location*			
Move to Harbin			
Free Time			

Week 3 (30 July – 5 Aug) AM

Date	8:30-10:00	10:15-11:45	11:45-13:15
Mon. 30 July	**Title** Prof. Wensong Zhou (HIT) *Location*	**Title** Prof. Jian Zhang (Southeast University) *Location*	Lunch Break
Tue. 31 July	**Title** Prof. Xinchun Guan (HIT) *Location*	**Title** Prof. Ying Lei (Xiamen University) *Location*	Lunch Break
Wed. 1 Aug	**Temperature Behavior Monitoring of Largescale Structures** Prof. Yong Xia (Hong Kong Polytech) *Location*	**Title** Prof. Wangmeng Zuo (HIT) *Location*	Lunch Break
Thur. 2 Aug	Group Project 1 Image-based Crack Recognition using Machine Learning Techniques *Location* Group Project 2 Damage Recognition and Localization using Acoustic Emission *Location*		Lunch Break
Fri. 3 Aug	Group Project 1 Image-based Crack Recognition using Machine Learning Techniques *Location* Group Project 2 Damage Recognition and Localization using Acoustic Emission *Location*		Lunch Break
Sat. 4 Aug	Group activity Additional Experiment if needed or Independent Group Work for Data Analysis *Location*		Lunch Break
Sun. 5 Aug		Project Presentation per Group Each group gives max 30 minutes presentation *Location*	Lunch Break

Week 3 (30 July – 5 Aug) PM

13:15-14:45	15:00-16:30	16:45-17:45	18:00-20:00
Title Dr. Edward N. Wierschem (University of Tennessee) *Location*	**Title** Dr. Yong Huang (HIT) *Location*	Group Project #1 Explanation Dr. Yuequan Bao (HIT) *Location*	
Title Prof. Hongxun Yao (HIT) *Location*	**Title (Fiber Optic Sensing Experiment)** (15:00 – 18:30) Prof. Yongkang Dong (HIT) *Location*		
Title (Tutorial of Imaging Recognition Using Neural Networks) Prof. Wangmeng Zuo (HIT) *Location*	**Title** M.S. Na Li (CCCC Ltd.) *Location*	Group Project #2 Explanation Prof. Wensong Zhou (HIT) *Location*	
Group activity Independent Group Work for Data Analysis *Location*			
Group activity Independent Group Work for Data Analysis *Location*			
Group activity Independent Group Work for Data Analysis *Location*			
Project Presentation per Group Each group gives max 30 minutes presentation *Location*		**Closing Ceremony& Award** Location	**Farewell Party** *Location*