7IWSCM 2016
Incheon Korea

July 25-26, 2016

7th International Workshop on Structural Control & Monitoring
Advances and Applications

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organized by
INHA University
EESK / KAIST
WEIK / KIBSE

IASCM
Int. Association of Structural Control & Monitoring

Forth Announcement of 7IWSCM | 2016-04-01

Objectives for 7IWSCM-2016

Theme: Latest advances and applications in structural control and monitoring

Objectives:

- Network the researchers in the field
- Discuss the research trend and next stage work of task groups
- Promote structural control and monitoring in Korea
- Showcase the latest advance in structural control and monitoring

The workshop will follow its tradition to make an effort to create a true workshop atmosphere rather than simply another mini-conference with a series of presentations alone. There will be no call for submission of paper but the presentation title. There will be an opportunity for participating researchers to present a brief (on the order of 5 minutes) summary of works during the Working Group sessions. Such presenters may need to submit, at the time of the Workshop, a ppt or pdf file of summary. The collected files will be available at the website of http://7iwscm.icesal.com after the workshop.

Scope of the Workshop

The workshop will focus on some aspects of:

- Smart materials and structures
- Smart sensors, wireless sensors, and sensor networks
- Smart control, smart actuators, dampers and systems
- Damage identification and localization, and model updating
- Safety evaluation and reliability forecast
- Life-cycle maintenance of infrastructure
- Structural health monitoring
- Structural control theories and devices
- Benchmark problems of structural control and monitoring
- Control and monitoring for mitigation, prevention and alarm of disaster

Keynote Speakers

Dr. Heungbae Gil	Korea	Korea Express Highway Co.	Structural health monitoring of cable supported bridges
Prof. Saurabh Amin	USA	MIT	Network monitoring and control algorithms for infrastructure resilience: recent progress and new challenges
Prof. Jose Rodellar	Spain	Polytechnic University of Catalonia	Fault-tolerant control and damage detection in wind turbine systems
Prof. Hui Li	China	Harbin Institute of Technology	Data science and engineering for civil engineering

Venue 60th Anniversary Building, INHA University, Incheon, Korea

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