

## Venue



### Daejeon

Daejeon is a large city located in the center of Korea. Major train lines and expressways go through this home of major government, science and education facilities. With the success of the Daejeon Expo in 1993, the city began to concentrate its efforts in promoting itself as a city of science and technology. Daejeon is also designated by the Central Government as the country's second administrative capital (after Seoul), with the central governmental buildings

erected in 1997. Since rebranding the city from a science and technology perspective, the government chose Daedeok as its main R&D zone to form a base to promote international business cooperation in science, and to enhance its standing in international community.



### Daejeon Convention Center (DCC)

The Daejeon Convention Center (DCC) was opened on April 21, 2008 in support of the local convention industry, one of the Daejeon's fastest going industries. The DCC is a state-of-the-art facility with a grand ballroom with seating for up to 2,000 and an exhibition hall with a capacity of 2,600. Covering an area of 29,228 square meters

(B1-4F), the DCC boasts 24 professional meeting rooms including eight medium-sized meeting rooms (1F) and four exhibition halls (1F). Partner companies of the DCC include international meeting planners, hotels, PR and printing companies, and travel agencies, offering one-stop services for business travelers.

## Registration Fees

Category	Early Registration (Until April 30, 2018)		Late Registration (May 1-July 9, 2018)		On-Site Registration (August 5-8, 2018)	
Regular Participant	\$500	KRW 500,000	\$550	KRW 550,000	\$600	KRW 600,000
Student	\$200	KRW 200,000	\$220	KRW 220,000	\$250	KRW 250,000
Extra Paper Fee	\$100 / KRW 100,000					

### Contact Us

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# MoViC 2018

## The 14<sup>th</sup> International Conference on Motion and Vibration Control

August 5(Sun)- 8(Wed), 2018

Daejeon Convention Center(DCC), Daejeon, Korea

### Important Dates

Abstract submission deadline: January 15, 2018

Abstract acceptance notification: February 19, 2018

Full paper deadline: April 30, 2018

Early registration deadline: April 30, 2018



### Organized by



The Korean Society of Mechanical Engineers



The Korean Society for Noise and Vibration Engineering

## Invitation



The International Conference on Motion and Vibration Control (MOVIC) is held every two years. The goal is to stimulate interactions between researchers active in the area of motion and vibration control. Since the MOVIC conference was launched by Japan in 1992, it has been successfully held in Japan in 1994 and 1996, Switzerland in 1998, Australia in 2000, Japan in 2002, USA in 2004, Korea in 2006, Germany in 2008, Tokyo in 2010, USA in 2012, Sapporo in 2014, and UK in 2016. The conference has developed into a very productive international event for the advancement of motion and vibration control technology.

The fourteenth conference, MOVIC 2018, will take place at Daejeon Convention Center (DCC), Korea, from August 5-8, 2018. (Chairperson: Youngjin Park) The primary purposes of MOVIC 2018 are to promote scientific and technological exchange between researchers from around the world, and to enhance the understanding and the dissemination of relevant research in this area.

Motion and vibration control is a fundamental technology for the development of advanced mechanical and structural systems such as mechatronics, vehicle systems, robots, spacecraft, and rotating machinery. Often the implementation of high performance, low power consumption designs can only be possible with the use of this technology. It is also vital to the mitigation of natural hazards for large structures such as high-rise buildings and tall bridges, and to the application of flexible structures such as space stations and satellites.

Recent innovations in relevant hardware, sensors, actuators, and software have facilitated new research in this area.

Youngjin PARK (KAIST)  
MoViC 2018 Conference Chair

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### MoViC 2018 Conference Chair

- Youngjin PARK (KAIST)

### Organizing Committee

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## MoViC 2018 Scope

### 1. Structural Dynamics and Control

- Rotor Dynamics and Control
- Space Structures and Control
- System Identification and Modeling
- Nonlinear Dynamical Systems
- Control of Civil Infra-Structures
- Fluid/Structure Interaction

### 2. Vehicle Dynamics and Control

- Dynamics and Control of Multibody Systems
- Sensing and Control for Autonomous Vehicles
- ITS and Intelligent Control System
- Aerial Vehicle Control
- Active Safety Systems

### 3. Robot Dynamics and Control

- Mechatronics
- Rehabilitation
- Human-Machine Interface
- Control Technology for Tele-Operation Systems

### 4. Smart Structures and Control

- Control using Smart Materials
- Damage Detection and Structural Health Monitoring
- Control of Micro and Nano Structures
- Active/Passive Smart Structures

### 5. Stochastic Dynamics and Uncertain Systems

- Random Vibration
- Prognostic Health Control/Monitoring
- Wind and Earthquake Loading

### 6. Acoustics, Shock and Noise Control

- Active Noise Control
- 3D Sound Rendering
- Vibro-Acoustical Interaction
- Pyrotechnic Shock

### 7. Control Devices, Sensors and Actuators

- Sensors and Sensor Networks
- Dynamics of Modern Materials
- Energy Harvesting

### 8. Application of Control Theory and Techniques

- Biologically Inspired Mechanism
- Energy Management and Eco-Systems
- Sports Mechanics
- Vibration and Control in Defense

### 9. Emerging Technologies

- Machine Intelligence
- Deep Learning Applications
- Cyber Physical Systems
- Virtual Reality and Simulation

### 10. Other Topics Meeting the Conference's Objectives