

## Highlight Sessions

Highlight Sessions are primarily designed for stressing the relevancy of IFAC Activities to industry and the importance of industry participation in IFAC. Highlighted in this Congress are the current developments and practices in control and automation in Korean industries which have shown world strong competitiveness in recent years.

### **Automation in Semiconductor, Display and Electronics Industry**

CHE: Ji Oh Song, Samsung Electronics Co., Ltd.

<i>Automation in the Semiconductor, Display, and Electronics Industry</i>		<i>WeA18</i>
Date	July 9 (Wed)	
Time	10:30 - 12:30	
Location	Room 320B, Conference Center, 3 <sup>rd</sup> Floor	

<i>Robotics for LCD &amp; Semiconductor Industry</i>		<i>TuC18</i>
Date	July 8 (Tue)	
Time	16:30 - 18:30	
Location	Room 320B, Conference Center, 3 <sup>rd</sup> Floor	

### **Automation in Shipbuilding**

CHE: Choong Dong Lee, Vice President, Hyundai Heavy Industries Co., Ltd.

<i>Recent Automation Technologies in Shipbuilding Industry I</i>		<i>MoC17</i>
Date	July 7 (Mon)	
Time	16:30 - 18:30	
Location	Room 320A, Conference Center, 3 <sup>rd</sup> Floor	

<i>Recent Automation Technologies in Shipbuilding Industry II</i>		<i>TuA17</i>
Date	July 8 (Tue)	
Time	10:30 - 12:30	
Location	Room 320A, Conference Center, 3 <sup>rd</sup> Floor	

<i>Recent Automation Technologies in Shipbuilding Industry III</i>		<i>TuB17</i>
Date	July 8 (Tue)	
Time	14:00 - 16:00	
Location	Room 320A, Conference Center, 3 <sup>rd</sup> Floor	

### **Automation in Steel Industry**

CHE: Sangchul Won, Department of Electronic and Electrical Engineering, Steel Processing Automation Research Center, Pohang University of Science and Technology (POSTECH)

<i>Steel Making</i>		<i>MoA17</i>
Date	July 7 (Mon)	
Time	10:30 - 12:30	
Location	Room 320A, Conference Center, 3 <sup>rd</sup> Floor	

<i>Hot Rolling</i>		<i>MoB17</i>
Date	July 7 (Mon)	
Time	14:00 - 16:00	
Location	Room 320A, Conference Center, 3 <sup>rd</sup> Floor	

<i>Measurement</i>		<i>TuC17</i>
Date	July 8 (Tue)	

Time 16:30 - 18:30  
 Location Room 320A, Conference Center, 3<sup>rd</sup> Floor

**Automation** **WeB18**

Date July 9 (Wed)  
 Time 14:00 - 16:00  
 Location Room 320B, Conference Center, 3<sup>rd</sup> Floor

**Future Industrial Development** **WeC18**

Date July 9 (Wed)  
 Time 16:30 - 18:30  
 Location Room 320B, Conference Center, 3<sup>rd</sup> Floor

**Control Education**

CHE: Chul-Goo Kang, Department of Mechanical Engineering, Konkuk University

**New Trials for Control Education** **WeB17**

Date July 9 (Wed)  
 Time 14:00 - 16:00  
 Location Room 320A, Conference Center, 3<sup>rd</sup> Floor

**Virtual-Remote Labs in Control Education: Real Experiences** **WeA17**

Date July 9 (Wed)  
 Time 10:30 - 12:30  
 Location Room 320A, Conference Center, 3<sup>rd</sup> Floor

**Life Care Intelligent Robot**

CHE: Jae-Bok Song, Department of Mechanical Engineering, Korea University

**Recent Development of Intelligent Robots I: Navigation** **MoB18**

Date July 7 (Mon)  
 Time 14:00 - 16:00  
 Location Room 320B, Conference Center, 3<sup>rd</sup> Floor

**Recent Development of Intelligent Robots II: Mobility** **MoC18**

Date July 7 (Mon)  
 Time 16:30 - 18:30  
 Location Room 320B, Conference Center, 3<sup>rd</sup> Floor

**Recent Development of Intelligent Robots III: Vision & HRI** **TuA18**

Date July 8 (Tue)  
 Time 10:30 - 12:30  
 Location Room 320B, Conference Center, 3<sup>rd</sup> Floor

**Recent Development of Intelligent Robots IV: Architecture & Applications** **TuB18**

Date July 8 (Tue)  
 Time 14:00 - 16:00  
 Location Room 320B, Conference Center, 3<sup>rd</sup> Floor

**Ubiquitous Robotic Companion**

CHE: Bum-Jae You, Center for Cognitive Robotics, Korea Institute of Science and Technology (KIST)

*Ubiquitous Robotic Companion*

MoA18

Date July 7 (Mon)  
Time 10:30 - 12:30  
Location Room 320B, Conference Center, 3<sup>rd</sup> Floor

**Control Technology in Automotive Industry**

CHE: Woong-chul Yang, Hyundai Motor Co., Ltd.

Several highlight sessions were organized by Korean industrial researchers. They were reviewed by TC7.1 and reorganized with other papers to the total of 19 sessions.