

Title Urban Infra Forum June 16th 2016

Date	June 16 th , 2016, 17:30 ~ 19:00
Venue	Changgong Hall
Title	Water Quality Monitoring Systems and Applications in Korea
Overview	<ol style="list-style-type: none">1. The 4th and last Urban Infra Forum was held on June 16th. The students of ISUS and members of faculty were in audience. Prof. Shin Lee introduced the speaker. The speaker Ms. Hee Jin YANG is a director at CORBI which is a water quality restoration center at Korea Institute of Science & Technology (KIST). The company specializes in water quality monitoring systems and is known around the world for its high level of technology and excellent management practices.2. The speaker informed the audience about Korea's efforts to improve its rivers and streams by using state-of-the-art systems of water quality monitoring. She explained that pollution of land water bodies like rivers, streams and lakes is a serious issue in all countries, which needs immediate attention. One of the best ways to tackle this problem is to use online water quality monitoring system. By using this system, we can have access to real time environmental data which can be analyzed and used for prompt response in case of emergency and also for policy making.3. Currently, there are 70 national online water quality monitoring systems which monitor water quality round the clock around rivers and lakes. These systems are online and automatic and transmit real time environmental information to respective monitoring stations. At present, 98 % of all discharge volume is being monitored in real time. In this system, sensors are installed along water channels which detect various chemical substances and water level and transmit the data to monitoring stations for taking early action in case of emergency. These systems are also installed in 2 industrial complexes to monitor industrial waste water discharge. The speaker also mentioned establishment of this system in other countries by CORBI.
	<ol style="list-style-type: none">1. The forum ended with a Q&A session.