

## JSCE-MCA Joint Seminar

### Seminar on the JSCE Standard Specifications for Concrete Structures and lessons for quality control from infrastructure maintenance in Japan

June 9, 2017  
Ulaanbaatar, Mongolia

#### Summary

The Japan Society of Civil Engineers (JSCE) Concrete Committee and the Mongolian Concrete Association (MCA) held a joint seminar on June 9, 2017, in Ulaanbaatar, Mongolia. Organized as part of the MCA Annual International Conference 2017, “Concrete Industry – Current and Future,” the seminar included two lecturers by representatives from Japan on the JSCE Standard Specifications for Concrete Structures and related research and international activities. Dr. Yoshinobu Oshima (Public Works Research Institute) introduced the Standard Specifications and its history, before discussing the quality control of concrete materials and structures, and the role it plays in assuring the long-term performance of road bridges in Japan. Dr. Michael Henry (Hokkaido University) then introduced the Standard Specifications for maintenance, and talked about Japanese activities for promoting maintenance management of concrete structures in Asian countries. Both presentations from Japan were simulatenously translated to Mongolian by representatives from the MCA for ease of understanding. Their presentations were then followed by 10 presentations from various Mongolian industry and academic representatives, as well as one presenter from Norway, who introduced the usage of admixtures for sprayed concrete. Roughly 100 people were in attendance during the seminar.

The representatives from Japan would like to express their gratitude to Dr. Narantuya Batmunkh, Vice Director of the MCA, for her cooperation and support in arranging this joint seminar.

#### Schedule

Time	Presentation	Affiliation
10:00-10:05	Welcome and Introduction MCA President Navaandorj .L	Mongolian Concrete Association
10:05-10:10	Magnaisuren .S State Secretary	The Ministry of Construction and Urban Development, Mongolia
10:10-11:10	Yoshinobu Oshima Introductions to the JSCE Standart, Specifications for concrete structures and the current situation of road bridges in Japan	Public Work Research Institute
11:10-12:10	Dr Michael Henry Overview of the JSCE Standard Specifications for maintenance and an international strategy for reducing maintenance through improved quality control	Hokkaido University
12:10-12:30	Tsermaa Ya Concrete industry developing process and quality in Mongolia and goals for the future	The Ministry of Construction and Urban Development, Mongolia, Division of Quality Controlling of construction materials
12:30-13:30	Lunch	
13:30-13:50	Lkharvadorj .O Overview of the construction material industry in Mongolia	Mongolian Construction Material Association
13:50-14:10	Tsoodol .E The current review of cement industry in Mongolia	'MonCement' LLC Consultant Engineering
14:10-14:30	Batjargal .B Characteristics of aggregates in concrete	Mongolian Quarry Industry Association

14:30-14:50	Oyunbileg .B Research on characteristics of component binder material by using local raw materials	MUST, School of Technology at Darkhan
14:50-15:10	Roar Myrdal Admixtures for Concrete and Sprayed Concrete	Norwegian University of Science and Technology
15:10-15:30	Gerelmaa .B Improving resource-efficiency and cleaner production in the Mongolian construction sector through materials recovery	Caritas Czech Republic in Mongolia
15:30-15:50	Р.Хишгээ The using method of maturity	MUST, SCA
15:50-16:10	Enkhbaatar .D Calculation of kinetics of heating and setting of strength of concrete in construction modified by balance method	University of Novosibirskii
16:10-16:30	Janchivdorj .H The physical -mechanical properties of self compacting concrete	MUST, School of Technology at Darkhan
16:30-16:50	Ankhubayar .U Research on characteristics of concrete with various waterproofing admixtures	MUST, SCA
16:50-17:00	Conclusions and closing remarks	
18:00-20:00	Farewell dinner	

## Photos



Dr. Oshima discussing the role of quality control in assuring the performance of concrete



Dr. Henry introducing the Standard Specifications for maintenance and repair of concrete structures



The conference hall during the seminar



Simultaneous translation to Mongolian by Dr. Batmunkh



Dr. Henry being interviewed regarding the quality control of concrete



Dr. Oshima and Dr. Henry with counterparts from the MCA