

Seminar on “Early Childhood Education Using Robot: Current Progress and Prospects”

Date: Friday 28 October 2011

Time: 18:30—20:00

Venue: HG01, Ho Yin Convention Centre, University of Macau

Language: English

Registration & Enquiry: Ms. Vera Choi/Mr. Brendan Lei, Tel : 8397-8788/8777

Speaker:

Dr Sang-Rok OH, Center for R-Learning Development, Promotion & Support, Korea Institute of Science & Technology

Abstract :

‘The first thing a preschool child who comes to the kindergarten at 10 AM is to approach a robot teacher for attendance check. She learns songs and dances while listening to the children’s story at free time. Also instead of preparing teaching materials separately, the human teacher leads the class using the content stored in a robot.’

This Story is not an imagination of a kindergarten class or education in the future, but the depiction of one of 1,000 kindergartens in South Korea in 2011.

The Ministry of Education, Science and Technology announced Education Advancement Plan in December 2009 to improve the educational service quality for younger children (MEST, 2009) early development of future human resources. Under this policy, a key task in the future-oriented curriculum implementation field, “the utilization of sophisticated science and technology including teacher-assisting robots” constitutes the foundation of the robot learning (R-learning) program.

Current progress and prospects of R-learning Education System in Korean kindergarten will be introduced in the talk together with demonstration of robot hardware platforms, education software package and several video clips which are currently being utilized in kindergarten of Korea.