

**CASE WESTERN RESERVE UNIVERSITY
EAST CLEVELAND PUBLIC SCHOOL DISTRICT
PROVOST SCHOLARS
Intensive University Seminar
Session Fourteen – Spring 2016
Thursday, February 11th, 2016, 2:30pm-5:00pm
Guilford House, 11112 Bellflower Road, Cleveland, OH 44106**

Purpose

The Provost Scholars will learn about Robotics Engineering from Case Western Reserve University (CWRU) Assistant Professor, Dr. Kiju Lee. Dr. Lee will share information from her primary research areas in modular and distributed intelligent systems, robotics for social and behavioral assessment, and intervention and human robot/computer interaction.

Presenter Biography



Dr. Kiju Lee is an Assistant Professor at CWRU in the Department of Mechanical and Aerospace Engineering. She specializes in mechanical, robotics, and electronics engineering. Her primary research areas include modular and distributed intelligent systems, robotics for social and behavioral assessment and intervention, tangible game technologies, human-robot and computer interactions and origami robotics. Her publications include “An autonomous robot that duplicates itself from low-complexity components” (2010); “Robotic Self-Replication in Structured Environments: Physical Demonstrations and Complexity Measures” (2008); and “InchBot: A novel microrobotic platform” (2013). She received her bachelor’s degree in Electrical and Electronics Engineering from Chung-Ang University in Seoul, South Korea, and her master’s and doctorate degrees in Mechanical Engineering from Johns Hopkins University (Baltimore, MD). For more information about Dr. Lee, please visit www.engineering.case.ed/emmae/Faculty/Kiju_Lee.

Objectives

Provost Scholars will...

- 1) Visit the Robotics Engineering Lab in Glennan 615B and see first-hand robot and computer interactions
- 2) Explore academic pathways to studying robotics engineering
- 3) Discuss the application of robotics engineering in everyday life, the here-and-now and in the future

Agenda

2:30 p.m. – 2:40 p.m.: Hors d’oeuvres will be served

2:40 p.m. – 3:30 p.m.: Tutoring Hour

3:30 p.m. – 3:45 p.m.: Provost Scholars will walk to Glennan 615B, Robotics Engineering Lab

3:45 p.m. – 4:45 p.m.: Seminar speaker, Dr. Kiju Lee

4:45 p.m. – 5:00 p.m.: Wrap up and Questions

Faculty & Staff

- Dr. Faye Gary
- Katrice Williams, Master’s Student, Program Manager
- Haruna Suleman, Master’s Student, Program Assistant
- CWRU Step Up and Undergraduate Tutors

Guest

- Dr. Kiju Lee

Word of the Week: Robotics. What does it mean? Is the branch of mechanical engineering, electrical engineering and computer science that deals with the design, construction, operation, and application of **robots**, as well as computer systems for their control, sensory feedback, and information processing.

Concierge and Matre’D

- Provost Scholars Christian Thompson and Ryiane Nathan