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The Keck Institute for Space Studies  
presents an open lecture:

# Robotics for Space Exploration: Challenge to the Moon and Beyond

Professor Kazuya Yoshida  
Tohoku University, Japan

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Tuesday, November 8, 2016

4:30 PM Refreshments  
5:00 PM Lecture

135 Gates-Thomas  
California Institute of Technology

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Professor Yoshida has been working on a variety of robotics research topics with respect to the dynamics and control of space robotic systems. His interests range from orbital free-flying robots to planetary exploration rovers. The applications are extended to the development of university-based micro satellites and also the terrestrial applications of space technology, such as robotic remote exploration for search and rescue missions.

His technical contributions are evidenced by many space flight and robotic missions, such as:

- ETS-VII (orbital experiments of a free-flying space robot)
- HAYABUSA / HAYABUSA-2 (Japanese asteroid sample return probes)
- RISING / RISING-2 (50 kg microsattellites for science mission) and
- QUINCE (a mobile robot to aid in the Fukushima power plant incident.)

The talk will highlight his current challenge toward the Google Lunar XPRIZE (team HAKUTO) and back ground technology on micro-rover development.

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No registration is required for this open lecture.  
Seating is limited and is available on a first come, first served basis.