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March 24 13:30 ~ 15:00 Bldg.#6 Sakai Memorial Hall

Plenary Session 1

# Tomohiro Miyashita

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Tomohiro Miyashita graduated from the Shibaura Institute of Technology Graduate School of Engineering and Science master's program in 1993. He completed the Southern California Institute of Architecture master's program in 1997. He completed the Shibaura Institute of Technology Graduate School of Engineering and Science doctoral program in 1999 and became the assistant professor of the architecture at Kanazawa Institute of Technology in 1999. Professional engineering educator.

## *Effects of Industry-Academia Collaborative Education*

The Re-Design Apartment (RDA) Project is an educational project under Miyashita Lab of Kanazawa Institute of Technology (KIT), and discusses the educational effect of the project. In RDA Project, students design their own living environment by renovating the aging student apartment rooms to add new values to such buildings. It is an academic-industrial collaboration practice, in which students collaborate with the apartment owners, architects and construction companies for the renovation.

The whole of the project is carried out by students, from theme-setting to design to supervision. In the process, KIT academics, architects, and construction company employees instruct these students over one year in terms of providing solutions in consideration of the actual constraints and demands of society.

There are about 4500 apartments standing around KIT with mostly identical room layouts, and recent years have seen increased vacancy among the older buildings. Seeing a potential in the issue an effective educational opportunity for architectural students to bridge their learning and real society, I have initiated the project. Through the project, apartment owners may own rooms that answer their clients' needs, and construction companies may acquire designing ideas and know-how. In their effort to meet the expectations of room tenants, owners and construction companies through design, construction and operation, the students obtain knowledge and skills.