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Automatic
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The Department of Automatic Control & Systems Engineering
is pleased to announce the following seminar:

Design principles for self-organising embodied intelligence

Dr Fumiya Iida

Reader of Robotics

Department of Engineering

University of Cambridge

Wednesday, 10 March 2021 at 14:00

Via Google Meet

Host Academic: Dr Shuhei Miyashita, ACSE

Abstract

Our human body has enormous complexity in both physical and informational processing. If we wish to design such complex systems, we are not able to manually design parts by parts, but need to rely on self-organising processes. In this talk, I will introduce our recent attempts to obtain some design principles for self-organising machines.

Biography

Fumiya Iida is a Reader of Robotics at the Department of Engineering, University of Cambridge. He received his bachelor and master degrees in mechanical engineering at Tokyo University of Science in Japan, and Dr. sc. nat. in Informatics at University of Zurich in Switzerland. During his PhD project, he was also engaged in biomechanics research of human locomotion at Locomotion Laboratory, University of Jena in Germany. While he worked as a postdoctoral associate at the Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology in USA, he was awarded the Fellowship for Prospective Researchers from the Swiss National Science Foundation, and then, the Swiss National Science Foundation Professorship hosted by ETH Zurich. In 2014 he moved to the University of Cambridge as the director of Bio-Inspired Robotics Laboratory.

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