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NETWORK OF UNIVERSITIES

Workshop on “Robotics and Artificial Intelligence”

In conjunction with the 7th German – Japanese University Presidents’ Conference

Heidelberg, September 11, 2019

Modern robotics is concerned with engineering systems, which are able to learn to act in the real world by connecting perception and action to generate intelligent behavior. Such embodied intelligence rests on the central idea that physical interaction with the world is essential for learning about the world. Current progress in AI has led to superhuman performance in certain areas such as computer vision, speech processing, medical diagnosis and games. However, success of AI in terms of the generation of robot behaviors with human-like motion intelligence and performance has yet to be achieved.

The goal of the workshop is to discuss synergies between AI and robotics research including challenges regarding the special needs of robotics and the transferability of promising AI solutions to robotics to create intelligent robots that can self-adapt to changing situations and context.

Venue & Time

Heidelberg University

Marsilius-Kolleg

Im Neuenheimer Feld 130.1

69120 Heidelberg

<https://www.marsilius-kolleg.uni-heidelberg.de/lageplan-anreise-en.html>

September 11, 10:00 – 18:00

Organizers

- Katja Mombaur, Heidelberg University, katja.mombaur@ziti.uni-heidelberg.de
- Tamim Asfour, Karlsruhe Institute of Technology, asfour@kit.edu

Invited participants from the 6 Hekksagon Universities and from industry