

[MA3] (Special Session) Multi-Aspect Modeling for Robotics: Can Robots and Humans Establish Tight Interaction through Physical, Mental and Social Interfaces?

Time: 09:00 ~ 11:00

Room: Room 3 (Halla Hall 3)

Session Co-Chairs: Kohji Kamejima (Osaka Inst. of Tech., Japan)

Keiichi Sato (Illinois Inst. of Tech., Japan)

09:00-09:40 MA3-1 Multi-Aspect Approach to Robotic Anticipation for Supporting Human's Multiple-Intelligence in Natural Scene

Kohji Kamejima (Osaka Inst. of Tech., Japan)

09:40-10:00 MA3-2 Multi-Aspect Model for Human-Robot Interaction - Mutual Understanding and Entrainment -

Mutsuo Sano, Kenzaburo Miyawaki, Toshiki Yokote, Ryouji Nishimura (Osaka Inst. of Tech., Japan), and Yutaka Kimura (Kansai Medical Univ., Japan)

10:00-10:20 MA3-3 Cognitive Human-Computer Communication by means of Haptic Interfaces

Carlo Alberto Avizzano (Scuola Superiore Sant'Anna, Italy)

10:20-10:40 MA3-4 Providing for Social Acceptance in Task Modeling for Robot Work

Lars Oestreicher (Uppsala Univ., Sweden)

10:40-11:00 MA3-5 Multi-Aspect User Interaction Models for Distributed Robotic Systems: Collaborative Activity Generation

Keiichi Sato (Illinois Inst. of Tech., USA) and Ralph Bruder (Darmstadt Univ. of Tech., Germany)