

IAGG2023 Symposium Dementia 6  
Recent Advance of Robotic and AI technology for cognitive impairment

Chair 1 Eri Otaka

Chair 2 Kenji Ishii

Speaker 1 Eri Otaka

Speaker 2 Masashi Kameyama

Speaker 3 Aya Seike

**Session Summary**

The advancement of robotics and AI technology in recent years has been remarkable, affecting all areas of our lives. This symposium will focus on the development of robotics and AI technology in the areas of dementia diagnosis, treatment, and care, and also in the areas of supporting elderly people at risk for dementia.

Dr. Eri Otaka will discuss trends and prospects for social implementation of dementia support technology from the perspective of cognitive function rehabilitation, and care support for the dementia patients and their families.

Dr. Masashi Kameyama will introduce attempts to apply image analysis and natural language analysis using AI to dementia diagnosis.

Dr. Aya Seike will present an attempt to develop a chatbot that elicits pleasant emotions from conversations in order to cope with the social isolation of the elderly.

Through the sessions of this symposium, we hope that we will be able to share our perspectives on the role of robotic and AI technologies in the coming dementia society of the future.

(160 words)