SPECIAL ISSUE of the Infocommunications Journal

ORGANIC HUMAN-ROBOT INTERACTION FOR SOCIAL ROBOTICS

CALL FOR PAPERS

INTRODUCTION

Social robots, especially service and assistance robots, will soon become part of our daily lives, for example in the hospitality industry or in elderly care roles. With the advent of Industry 5.0, robots equipped with social skills may also appear in factories. With the ever-expanding role of social robots and other artificial agents (including software-based, virtually displayed agents), the development of appropriate communication becomes an urgent task in the field of human-robot and human-computer interaction as well. The need to communicate more and more naturally with robots, even as with another human, is growing. Organic Human-Robot Interaction (O-HRI) is a general framework that includes expectations for robots in the form of scientific principles so that even non-robot specialists feel natural and stress-free when communicating with robots. This special journal issue focuses on the multidisciplinary field related to O-HRI, including robotics, cognitive science, psychology, and human-computer interaction. The articles in this issue deal with topics such as social robotics, emotion recognition, machine learning, and the ethical aspects of designing humanoid robots. By synthesizing diverse perspectives and cutting-edge research, this collection seeks to understand how O-HRI can improve user experience, strengthen trust and cooperation between humans and robots, and shape the future of human-robot coexistence.

IMPORTANT DATES:

Submission deadline: ***20 October, 2024***
Notification of the first review: ***15 December, 2024***
Deadline for revision: ***10 January, 2025***
Camera Ready submission: ***20 January, 2025***

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