

Special Session

Code: es74y

Title

Cyber Modern Technology on Medicine, Health Care and Human Assist

Proposer / Main Organizer

(Main) Syoji Kobashi, University of Hyogo, JAPAN, kobashi@eng.u-hyogo.ac.jp

He is a professor of University of Hyogo, Japan. He is chair of SMC Japan chapter since 2022, TC Co-chair of Medical Informatics of SMC since 2018, and served area PC chair of SMC2019, publication chair of SMC2018, etc. His research interest include medical image analysis with artificial intelligence.

Noboru Takagi, Toyama Prefectural University, Japan, takagi@pu-toyama.ac.jp

He is a professor of Toyama Prefectural University, Japan. He was the financial chair of SMC2018. His research interests include image processing and computer-aided systems for visually impaired people.

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He is a professor of University of Miyazaki, Japan. He was a general co-chair of SMC2018. His research interests include electron device and electronic equipment with cybernetics.

Kazuo Kiguchi, Kyusyu University, Japan, kiguchi@mech.kyushu-u.ac.jp

He is a professor of Kyusyu University, Japan. He was an awards committee chair of SMC2018. My research interests are Biorobotics, Human assist robots, Rehabilitation robots, and Application of robotics in medicine.

Provide complete address/affiliation, phone, email and biography.

The main organizer will be the primary contact person to whom all correspondence will be sent

IEEE Member or SMC Society Member

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Category

Please select one of the following categories:

- Cybernetics

Number of Expected Paper Submissions:

6 or more

Keywords

See list of topics in the [Call for Papers](#)

Application of Artificial Intelligence, Biometric Systems and Bioinformatics, Computational Life Science, Cybernetics for Informatics, Medical Informatics, Assistive Technology, Human-Computer Interaction, Human-Machine Cooperation and Systems, Human-Machine Interface

Brief Description and Justification (200-250 words):

Medicine, Health Care and Human Assist Technologies are primarily interested in serving as a venue for the discussion of a theory, methodologies and emerging applications. In this special session, we strongly encourage authors to submit their original contributions describing their conceptual, algorithmic, methodological, and applications. Specific topics of interest cover various facets of medical and health care system research, including but not limited to the following keywords.

This special session is technically co-sponsored by Technical Committee on Medical Informatics of SMC (<http://www.ieeesmc.org/technical-activities/cybernetics/medical-informatics>).