

**2020 IEEE/SICE
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(SII2020)**

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**Special Session on
“Real Space Service System”**

organized by

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Abstract of proposed special session:

Recently, the integration of information technology, network technology, and robot technology has discussed from various point of view. This special session discusses on real space service system that served various services using above technologies in the environments such as homes, offices, stores, nursing homes, hospitals, and etc. The main topics of interest are practical technology/theory to solve the real problems of the environments.

Brief description of the area of interest with special focus on why we should believe this is an interesting and significant topic?

Manpower shortage is becoming a big problem especially in Japan. The technologies are expected to solve the problem. However, real problems are sometimes too complicated to solve with present methods, or sometimes no novelty but requires muddy works to meet each problems. Therefore, new theory, more efficient system integration method and practical technology are required.

Topics of interest include, but are not limited to:

- Service Robots
- Robot Companions and Social Robots in Home Environment
- Observation of Human Activity in Living Space
- Human-Robot Interaction
- Sensor Networks
- Structuralization of Environmental Information
- Welfare systems
- Logistics systems

Submissions Procedure: All the instructions for paper submission are included in the conference website <https://sice-si.org/conf/SII2020/papersubmission.html>.