

Evolving new collaboration services for future network

Project Leader

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1. Objective

This project is aimed at:

Creating new methods to develop human-oriented collaboration systems for future networks. These systems aim to make human society more harmonious. This project consists of three elements. (1) Video-conferencing systems to convey the feeling of “being together”, (2) Collaboration systems for medical and health-care, and (3) Collaboration systems in large-scale datacenters.

2. Project Outline

To that end, the project will consist of the following phases:

- (a) The creation of new collaboration methods
- (b) Experiments on prototype systems
- (c) Publications of academic papers

3. Expected Performance

In this project, the successful candidate would be expected to:

- (a) Work independently on a research topic
- (b) Develop prototype systems for experiments
- (c) Assist other members of the laboratory with their research
- (d) Publish research results in international papers

4. Required Skills and Knowledge

The successful candidate for this project will have the following knowledge and skills:

- (a) Ability to communicate and discuss in English
- (b) Knowledge of TCP/IP networks and network applications
- (c) Programming skill (C, Java, etc.)

References

- [1] “The Effects of Sharing Know-how Method Based on Experiences in Large-scale Data Center”, International Journal of Future Computer and Communication, Vol.5, No.1, pp.23-26, 2016.
- [2] “Simulation of Power Saving in Private Cloud Environment”, Proc. of ACM SIGUCCS conference, pp.1-5 (2014).
- [3] “Conveying Gaze-Awareness by Using a Faint Light with a Video-Conferencing System”, International Journal of Future Computer and Communication, Vol.5, No.1, pp.38-42, 2016.
- [4] “Privacy Protection Based Privacy Conflict Detection and Solution in the Online Social Networks”, Proc. of 2nd International Conference on Human Aspects of Information Security, Privacy, and Trust, pp.433-445, 2014.

See our admission guidelines:

http://www.kochi-tech.ac.jp/kut_E/graduate/admission.html

Contact

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