

Taira Nakamura

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Research Interests

Augmented Reality, Haptic Display, Human-Computer Interaction, Virtual Reality.

Education

2014-present **M.E. in Informatics**, The University of Electro-Communications, Tokyo, Japan.
2010-2014 **B.E. in Informatics**, The University of Electro-Communications, Tokyo, Japan.

Languages

English Intermediate (daily conversation).
Japanese Mother tongue.

Skills

Programming Languages

C/C++, OpenGL, Processing, Unity.

Applications

MS-Word, Excel, PowerPoint,
Eagle (circuit CAD), SolidWorks(3D CAD).

Projects

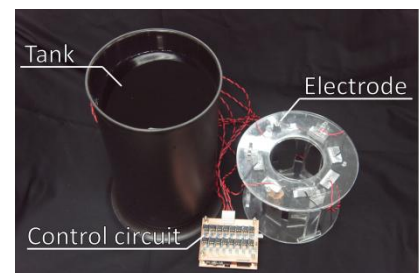
Major involvement in the following projects:

i. *Underwater Electro-Tactile Stimulation*

Collaborator: Manami Katoh, Taku Hachisu, Ryuta Okazaki, Michi Sato and Hiroyuki Kajimoto

Period: 2013-

Summary: We describe a method for presenting underwater tactile electrical stimulation for in-bath entertainment. We investigated the localization abilities of participants and the polarity effect of the stimulation, and found that underwater electro-tactile anodic stimulation produced a stronger sensation than did cathodic stimulation. Furthermore, we found that the participants were able to successfully identify the direction of the tactile stimulation and the direction of rotation during anodic stimulation.



Publications

International Conference (with peer review)

1. **Taira Nakamura**, Manami Katoh, Taku Hachisu, Ryuta Okazaki, Michi Sato, Hiroyuki Kajimoto:
Localization Ability and Polarity Effect of Underwater Electro-Tactile Stimulation,
EuroHaptics 2014, Versailles, France, 24-26 June, 2014.