

Human Interface Laboratory



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Summary of Achievement

Refereed academic journal

[j-huang-304-012-01:2015] Thongam Khelchandra and Jie Huang. Robot Motion Planning with Neuro-Genetic-Fuzzy Approach in Dynamic Environment. *International Journal of Information Technology*, 21(1), 2015.

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Refereed proceedings of an academic conference

[j-huang-304-012-02:2015] S.; Villegas J.; Huang J. Nagasaka, T.; Nogami. Influence of Energy Distribution on Elevation Judgments. In *Proc. 139th AES Convention*, page no.9425. AES, oct 2015.

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[j-huang-304-012-03:2015] T.; Villegas J.; Huang J. Nogami, S.; Nagasaka. Influence of Spectral Energy Distribution on Subjective Azimuth Judgments. In *Proc. 139th AES Convention*, page no.9426. AES, oct 2015.

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[markov-304-012-01:2015] F.Septier G.Peters K.Markov, T.Matsui. Dynamic Speech Emotion Recognition with State-Space Models. In *European Signal Processing Conference - EUSIPCO 2015*, pages 2122–2126, 2015.

Joint research work between UoA, ISM and UCL.

Writing a part of textbook or technical book

[markov-304-012-02:2015] T.Matsui K.Markov. *Speech and Music Emotion Recognition Using Gaussian Processes*, chapter Chapter 3, pages 65–85. Springer, 2015.

Research grants from scientific research funds and public organizations

[markov-304-012-03:2015] T.Matsui K.Markov. Speech based emotional and depressive mental state prediction using Gaussian Process state-space models., 2015.

Advisor for undergraduate research and graduate research

[j-huang-304-012-04:2015] Miyabi Hirano. Master Thesis: Impact sound analysis and generation, University of Aizu, 2015.

Thesis Advisor: Huang, J.

[j-huang-304-012-05:2015] Sayuri Muraki. Comparing frontal sound localization with loudspeakers and headphones, University of Aizu, 2015.

Thesis Advisor: Huang, J.

[j-huang-304-012-06:2015] Hiroki Ogata. A 3D sound system with two side loudspeaker matrices, University of Aizu, 2015.

Thesis Advisor: Huang, J.

[j-huang-304-012-07:2015] Naomi Kasai. Analysis and generation of Japanese vowels, University of Aizu, 2015.

Thesis Advisor: Huang, J.

[j-huang-304-012-08:2015] Rui Terabe. Analysis and generation of impact sounds, University of Aizu, 2015.

Thesis Advisor: Huang, J.