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MISAWA Hideaki

Organization	Electrical Engineering
Position	Assistant Professor
Academic Title	Doctor (Engineering)
Research Fields	Information Engineering

<< Research Subjects >>

1. Application of soft computing techniques to the biomedical field.
2. Dissimilarity data analysis by using self-organizing neural network.

<< Academic Activities >>

Papers and Notes

1. Eiji Uchino, Takanori Koga, Hideaki Misawa, Noriaki Suetake: "Tissue characterization of coronary plaque by kNN classifier with fractal-based features of IVUS RF-signal", Journal of Intelligent Manufacturing, published online (2013.6.9)
2. Hideaki Misawa, Keiichi Horio, Nobuo Morotomi, Kazumasa Fukuda, Hatsumi Taniguchi: "Extrapolation of Group Proximity from Member Relations Using Embedding and Distribution Mapping", IEICE Transactions on Information and Systems, Vol.E95-D, No.3, pp.804-811 (2012.3.1)
3. Shudai Ishikawa, Hideaki Misawa, Ryosuke Kubota, Tatsuji Tokiwa, Keiichi Horio, Takeshi Yamakawa: "Multi-space Competitive DGA for Model Selection and its Application to Localization of Multiple Signal Sources", Journal of Advanced Computational Intelligence & Intelligent Informatics, Vol.15, No.9, pp.1320-1328 (2011.11)

Presentations

1. Satoko Tasaka, Eiji Uchino, Hideaki Misawa, Shota Furukawa, Noriaki Suetake: "Automatic Blood Flow Calculation in Conjunctival Microvessel", Proceedings of 2014 RISP International Workshop on Nonlinear Circuits, Communications and Signal Processing (NCSP'14), Honolulu (USA), Feb. 28 - March 3, pp.598-601 (2014).
2. Syaiful Anam, Eiji Uchino, Hideaki Misawa, Noriaki Suetake: "Automatic Bone Boundary Detection in Hand Radiographs by Using Modified Level Set Method and Diffusion Filter", Proceedings of the 6th International Workshop on Computational Intelligence and Applications, Hiroshima (Japan), Jul. 13, pp.51-55 (2013).
3. Eisaku Tohma, Hideaki Misawa, Noriaki Suetake, Eiji Uchino: "Extraction of Blood Vessel in Fundus Image by Black-top-hat Transformation Employing Two Structuring Elements with Different Radii", Proceedings of Joint 6th International Conference on Soft Computing and Intelligent Systems and 13th International Symposium on Advanced Intelligent Systems (SCIS & ISIS 2012), Kobe (Japan), Nov. 20-24, pp.1426-1429
4. Hideaki Misawa, Keiichi Horio, Nobuo Morotomi, Kazumasa Fukuda, Hatsumi Taniguchi, "Relational Higher-Rank SOM for Bacterial Flora Analysis", Proceedings of the 2011 International Workshop on Smart Info-Media System in Asia (SISA 2011), Oct. 31-Nov. 2, pp.167-170 (2011)