Takenori Obo

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Short Personal Description:

Takenori Obo is currently an assistant professor at the Department of Mechanical Systems Engineering, Tokyo Metropolitan University, Japan. He received the B.E., M.E. and D.E. degrees from Tokyo Metropolitan University in 2009, 2011, 2014, respectively. His current interests include computational intelligence for healthcare systems, rehabilitation support systems, intelligent robots, and applications in human centric systems. He has published 17 journal papers and 75 conference proceeding papers and has received 9 awards, including best paper award on WA2012. In WAC, he has also organized 4 special sessions , and contributed a total of 7 papers since 2010.

Selected publications:

[1]   T. Obo, K. Hamada, M. Eguchi, and N. Kubota, "Human Pose Estimation with Multi-Camera Localization Using Multi-Objective Optimization Based on Topological Structured Learning," Journal of Advanced Computational Intelligence and Intelligent Informatics, Vol.27 No.4, pp. 543-553, 2023.

[2]   A. R. A. Besari, A. A. Saputra, T. Obo, Kurnianingsih, N. Kubota, "Multiscopic CPSS for Independent Block-Design Test Based on Hand–Object Interaction Recognition With Visual Attention," in IEEE Access, vol. 11, pp. 58188-58208, 2023.

[3]   T. Sekiguchi, T. Obo, N. Kubota, and T. Matsuda, LSTM-based Motion Trajectory Prediction in a Perceptual-Action Cycle System, In Proceedings of 2023 IEEE International Conference on Systems, Man, and Cybernetics (SMC), Hyatt Maui, Hawaii, USA, pp. 2820-2825, 2023.

[4]   M. Eguchi, T. Obo, N. Kubota, Stepwise Search Transition-based Hybrid Optimization for 3D Pose Estimation, In Proceedings of 2023 IEEE International Conference on Systems, Man, and Cybernetics (SMC), Hyatt Maui, Hawaii, USA, pp. 2802-2807, 2023.

[5]   T. Obo, R. Kaburagi, and N. Kubota, Multilayer Growing Neural Gas for Text-Mining of Nursing Care in Computational Systems Care, In Proceedings of 2023 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE2023), Songdo Incheon, Korea, 2023.

Other works: Journal articles - 15, International Conference papers - 72, Awards – 9 including Best Paper Award on WA2012

Membership in Societies:

[1]   IEEE (Institute of Electrical and Electronics Engineers)

[2]   IEEE Systems, Man, and Cybernetics Society

[3]   IEEE Computational Intelligence Society Membership

[4]   Japan Society for Fuzzy Theory and Intelligent Informatics

[5]   The Society of Instrument and Control Engineers (SICE)

[6]   The Institute of Systems, Control and Information Engineers

[7]   The Robotics Society of Japan

[8]   Japanese Society for Artificial Intelligence

[9]   The Japan Society of Mechanical Engineers

[10] Society of Automotive Engineers of Japan