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Born February 2, 1971

Carieer

2005-present	Leader of Project “Basic Technology Research on Sensing and Computational Theory of Everyday Life Behavior for Injury Prevention,”in Basic Research Programs (CREST) of Japan Science and Technology Agency (JST)
2005-present	Senior Researcher, DHRC, AIST
2003-present	Human Behavior Understanding Team Leader, Digital Human Research Center (DHRC), AIST
2001	Researcher at Digital Human Laboratory, National Institute of Advanced Industrial Science and Technology (AIST)
1998	Researcher at Electrotechnical Laboratory (ETL), Agency of Industrial Science and Technology, Ministry of International Trade and Industry (MITI)

Research Interests

Computational theory of human behavior, Ubiquitous sensor, Sensor network, Internet technology, Location sensor, Medical application, Injury prevention and safety promotion

Honours

Best Presentation Award (1st Japanese Domestic Symp. on Digital Contents) 2006
Young Investigation Excellence Award (Robotics Society of Japan) 1999
Best Paper Award (Robotics Society of Japan) 1997
Research Fellow of the Japan Society for the Promotion of Science (JSPS) 1995-98

Most Important Relevant Publications (Selected)

[1] **Y. Nishida**, G. Kawakami, H. Mizoguchi, "Everyday Grasping Behavior Measurement with Wearable Electromyography," in Proceedings of The 5th IEEE International Conference on Sensors (Sensors 2006), 2006
[2] T. Hori, **Y. Nishida**, S. Murakami, "Pervasive Sensor System for Evidence-based Nursing Care Support," 2006 IEEE International Conference on Robotics and Automation (ICRA 2006), pp. 1680-1685, 2006
[3] K. Kitamura, **Y. Nishida**, N. Matsumoto, Y. Motomura, T. Yamanaka, H. Mizoguchi, "Development of Infant Behavior Simulator: Modeling Grasping Achievement Behavior Based on Developmental Behavior Model and Environmental Interest Induction Model," Journal of Robotics and Mechatronics, Vol.17, No.6, pp. 705-716, 2005
[4] **Y. Nishida**, K. Kitamura, Y. Motomura, A. Simo, T. Yamanaka, "Infant Behavior Simulation: Computational Approach to Infant Safety," in Proceedings of the 4th IARP/IEEE-RAS/EURON Workshop on Technical Challenges for Dependable Robots in Human Environments, T16-01(1)-(12), 2005
[5] **Y. Nishida,** M. Hiramoto, F. Kusunoki, H. Mizoguchi, "Learning by Doing: Space-Associate Language Learning Using a Sensorized Environment," in Proceedings of IEEE International Conference on Intelligent Robots and Systems (IROS 2005), pp. 1583-1588, 2005
[6] A. Nishitani, **Y. Nishida**, H. Mizoguchi, "Omnidirectional Ultrasonic Location Sensor," in Proceedings of The 4th IEEE International Conference on Sensors (Sensors 2005), pp. 684-687, October 2005
[7] **Y. Nishida**, K. Kitamura, T. Hori, A. Nishitani, T. Kanade, H. Mizoguchi, "Quick Realization of Function for Detecting Human Activity Events by Ultrasonic 3D Tag and Stereo Vision," Proc. of 2nd IEEE International Conference on Pervasive Computing and Communications (PerCom 2004), pp. 43-54, 2004
[8] **Y. Nishida**, S. Murakami, H. Toshio, H. Mizoguchi, "Minimally Privacy-Violative Human Location Sensor by Ultrasonic Radar Embedded on Ceiling," in Proceedings of 2004 IEEE International Conference on Sensors (Sensors 2004), pp. 433-436, 2004
[9] **Y. Nishida**, H. Aizawa, T. Hori, N.H. Hoffman, T. Kanade, M. Kakikura, "3D Ultrasonic Tagging System for Observing Human Activity, " in Proceedings of IEEE International Conference on Intelligent Robots and Systems (IROS 2003), pp.785-791, 2003
[10] T. Hori, **Y. Nishida**, T. Kanade, K. Akiyama, "Multi-lateration for Multiplexed Ultrasonic Sensors," in Proceedings of 2003 IEEE International Conference on Sensors (Sensors 2003), Vol. 2, pp. 1219-1224, 2003