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Born October 23, 1963

Career

- 2003-present Associate Professor / Graduate School of Systems and Information Engineering, University of Tsukuba, Tsukuba, Japan
- 2000-2003 Associate Professor / Department of Computer Science, National Defense Academy, Yokosuka, Japan
- 1998-1999 Visiting Researcher / School of Computer Science, Carnegie Mellon University, Pittsburgh, USA
- 1998-2000 Associate Professor / Department of Computer Science, National Defense Academy, Yokosuka, Japan
- 1994-1998 Assistant Professor / Department of Mechanical Engineering, National Defense Academy, Yokosuka, Japan
- 1993-1994 Research Associate / Department of Mechanical Engineering, National Defense Academy, Yokosuka, Japan

Research interests

intelligent environments, human-robot interface, speech-act theory, computer vision, sensor fusion, multi-agent systems, intelligent control, soft computing, machine learning, data mining, mobile robots, teleoperation, virtual reality, life-log systems, health-care systems.

Honours

- Award for Contributions, Robotics and Mechatronics Division, JSME, 2002.
- Distinguished Research and Education Award, National Defense Academy, 1997.

Activities/Competence

- Program Chair, 2006 IEEE Intl. Conf. on Information Acquisition.
- General Chair, 2003 IEEE Intl. Symposium on Computational Intelligence in Robotics and Automation.
- General Chair, RSJ/JSME/SICE The 6th Robotics Symposia, 2001.
- Board of Director: The Robotics Society of Japan, 2003-2005.
- Editorial Boards: Advanced Robotics (RSJ), Journal of Robotics and Mechatronics (JSME), Journal of SICE, etc.

Most Important Relevant Publications (Selected)

- [1] K.Kozakai, S.Taniguchi, T.Fukuda, **Y.Nakauchi**: Dietary and Health Information Logging System for Lifestyle- Related Diseases, Proc. of the 2006 IEEE International Conference on Information Acquisition (ICIA2006), pp.829 ~ 834, 2006.
- [2] T. Fukuda, **Y.Nakauchi**, K. Noguchi, T.Matsubara: Sequential Human Behavior Recognition System for Cooking Support Robot, JSME Journal of Robotics and Mechatronics, Vol.17, No.6, pp.717 ~ 724 , 2005.
- [3] **Y.Nakauchi**, T.Fukuda, K.Noguchi, T.Matsubara: Intelligent Kitchen: Cooking Support by LCD and Mobile Robot with IC-Labeled Objects, Proc. of the 2005 IEEE/RSJ International Conference on Intelligent Robotics and Systems (IROS2005), pp.2464 ~ 2469, 2005.
- [4] T.Fukuda, **Y.Nakauchi**, K.Noguchi, T.Matsubara: Time Series Action Support by Mobile Robot in Intelligent Environment, Proc. of IEEE International Conference on Robotics and Automation (ICRA2005), pp.2908 ~ 2913, 2005.
- [5] **Y.Nakauchi**, K.Noguchi, P.Somwong, T.Matsubara: Human Intention Detection and Activity Support System for Ubiquitous Sensor Room, JSME Journal of Robotics and Mechatronics, Vol.16, No.5, pp.545 ~ 551, 2004.
- [6] **Y.Nakauchi**, K.Noguchi, P.Somwong, T.Matsubara, A.Namatame : Vivid Room: Human Intention Detection and Activity Support Environment for Ubiquitous Autonomy, Proc. of the 2003 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS2003), pp.773 ~ 778, 2003.
- [7] **Y.Nakauchi**, T.Takahashi, P.Naphattalung, T.Matsubara, E.Kashiwagi : Commitment-based Natural Language Interface System for Robots. Journal of Robotics and Mechatronics , Vol.14 , No.5 , pp.490 ~ 496 , 2002.
- [8] **Y.Nakauchi**, R.Simmons : A Social Robot that Stands in Line . Journal of Autonomous Robots , Vol.12 , No.3 , pp.313 ~ 324 , 2002.
- [9] **Y.Nakauchi**, Y.Mori : Emergent Behavior Based Sensor Fusion for Mobile Robot NavigationSystem . IEICE Transactions on Information and Systems , Vol.E81-D , No.9 , pp.959 ~ 967 , 1998.
- [10] Y.Iwakura , Y.Shiraishi , **Y.Nakauchi** , Y.Anzai : Multi-agent Interface Architecture for Real-world Oriented Distributed Human Interface Systems . Proc. of IEEE International Conference on Systems Man and Cybernetics , Vol.5 , pp.4115 ~ 4120 , 1997.