Name:	Hiroki Mori
Address:	A-203, Shamaison Toyokawa, 5-20-5, Toyokawa, Ibaraki
	city, Osaka Prefecture, Japan
E-mail:	hiroki@ams.eng.osaka-u.ac.jp
Telephone:	+81-90-1824-7193
Date of birth:	November, 21, 1981
Education:	
March, 2004	Bachelor of Engineering from Department of Information
	and Computer Science, Faculty of Engineering, Toyohashi
	University of Technology, Japan
March, 2006	Master of Engineering from Department of Information
	and Computer Science, Graduate School of Engineering,
	Toyohashi University of Technology, Japan
March, 2011	Ph.D of Information Science and Technology from
	Department of Mechano-Informatics, Graduate School of
	Information Science and Technology, The University of
	Tokyo, Japan
Superviser for	Prof. Yasuo Kuniyoshi in The University of Tokyo
Ph.D	
Language:	Japanese, English
Prize:	Young Investigation Excellence Award from The Robotics
	Society of Japan
Professional	
Experiences:	
October, 2009	Researcher of Japan Science and Technology Agency
-March, 2011	
April, 2011-	Assistant Professor in Osaka University

Publication

Hiroki Mori and Yasuo Kuniyoshi, "A Developmental Nervous System Model for Fetal Reflexive Behaviors which are Self-organized via Tactile Sensation." Journal of Robotics Society of Japan, Vol.28, No.8, pp.1014-1024, 2010 (in Japanese)

Yasuo Kuniyoshi, Shinji Sangawa, Yuuki Tsukahara, Shinsuke Suzuki, and Hiroki Mori, "A Constructivist Approach to the Principles of Emergence of Intelligence from Humanoid Embodiment." Journal of Robotics Society of Japan, Vol.28, No.4, pp.415-434, 2010 (in Japanese)

Alex Pitti, Hiroki Mori, Shingo Kouzuma and Yasuo Kuniyoshi, "Contingency Perception and Agency Measure in Visuo-Motor Spiking Neural Networks," IEEE Transactions on Autonomous Mental Development, Vol.1, No.1, pp.86-97, 2009

Hiroki Mori, Yoshihiro Ohama, Naohiro Fukumura and Yoji Uno, "Learning of Real Robot's Inverse Dynamics by a Forward-Propagation Learning Rule," Electrical Engineering in Japan, Vol. 161, No. 4, 2007

Hiroki Mori, Takaomi Kanda, Dai Hirose, and Minoru Asada, "3-Dimensional Motion Recognition by 4-Dimensional Higher-oder Local Auto-correlation." In Proceedings of the Fourth International Conference on Pattern Recognition Applications and Methods, Vol.USB, pp.223-231, 2015.

Hiroki Mori, Daii Aktsu, and Minoru Asada. "Fetusoid35: A robot serearch platform for neural development of both fetuses and perterm infants and for developmental care." In Proceedings of the 3rd Conference on Biomimetic and Biohybrid Systems (Living Machines 2014), Vol.CD-ROM, pp.411-413, 2014. Hiroki Mori, Yuzi Okuyama, and Minoru Asada, "Emergence of diverse behaviors from interactions between nonlinear oscillator complex networks and a musculoskeletal system." In Proceedings of the European Conference on Artificial Life (ECAL 2013), pp.324-331, Taormina, Italy, Sep. 2-6, 2013.

Yuji Kawai, Jihoon Park, Takato Horii, Yuji Oshima, Kazuaki Tanaka, Hiroki Mori, Yukie Nagai, Takashi Takuma, and Minoru Asada, "Throwing Skill Optimization through Synchronization and Desynchronization of Degree of Freedom." In Proceedings of the 16th RoboCup International Symposium, Vol.DVD-ROM, 2012.

Hiroki Mori, Yasuo Kuniyoshi, "Infant's primitive walking reflex from the perspective of learning in the uterus." 3rd International Conference on Cognitive Neurodynamics 2011, Niseko, Japan, 2011

Yasunori Yamada, Hiroki Mori, Yasuo Kuniyoshi, "A Fetus and Infant Developmental Scenario: Self-organization of Goal-directed Behaviors Based on Sensory Constraints," 10th International Conference on Epigenetic Robotics (EpiRob 2010), pp.145-152, Orenas castle, Glumslov, Sweden, Nov. 5-7, 2010

Alex Pitti, Hiroki Mori, Yasunori Yamada, Yasuo Kuniyoshi, "A Model of Spatial Development from Parieto-Hippocampal Learning of Body-Place Associations," 10th International Conference on Epigenetic Robotics (EpiRob 2010), pp.89-96, Orenas castle, Glumslov, Sweden, Nov. 5-7, 2010

Hiroki Mori and Yasuo Kuniyoshi, "A human fetus development simulation: Self-organization of behaviors through tactile sensation," IEEE 9th International Conference on Development and Learning (ICDL 2010), pp.82-97, University of Michigan, Ann Arbor, USA, Aug. 18-21, 2010 Hiroki Mori, Yasuo Kuniyoshi, "A cognitive developmental scenario of transitional motor primitives acquisition,"

7th international Conference on Epigenetic Robotics (EpiRob 2007), pp.93-100, Rutgers University, New Jersey, USA, Nov. 5-7, 2007