

INNS Symposium on Autonomous Learning
2012 International Neural Network Society Winter Conference
(INNS-WC2012)

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<http://inns.sit.kmutt.ac.th/wc2012>

- 1. Title: **An Autonomous Distal Reward Learning Architecture for Embodied Agents****
Authors: Shawn E Taylor, Michael J Heally, Thomas P Caudell
Speaker: Thomas P Caudell, *Department of ECE, University of New Mexico, Albuquerque, USA*
- 2. Title: **Autonomous Exploration For Navigating In MDPs****
Authors: Shiau Hong Lim, Peter Auer
Speaker: Shiau Hong Lim, *Chair for Information Technology, Montanuniversitaet Leoben, Austria*
- 3. Title: **Autonomous Reinforcement Learning with Experience Replay****
Authors: Pawel Wawrzynski, Ajay K Tanwani
Speaker: Pawel Wawrzynski, *Warsaw University of Technology, Warsaw, Poland*
- 4. Title: **Autonomous Learning in Cognitive Architectures: A Survey****
Authors: Sebastien Helie, Ron Sun
Speaker: Sebastien Helie, *Department of Psychological & Brain Sciences, Univ. of California, Santa Barbara, USA*
- 5. Title: **Autonomous Learning in Humanoid Robotics Through Mental Imagery****
Authors: Alessandro Di Nuovo, Davide Marocco, Santo Di Nuovo, Angelo Cangelosi,
Speaker: Angelo Cangelosi, *Centre for Robotics and Neural Systems, University of Plymouth, UK*
- 6. Title: **Detecting and Preventing Error Propagation via Competitive Learning****
Authors: Thiago Christiano Silva, Liang Zhao
Speaker: Liang Zhao, *Department of Computer Sciences, Institute of Mathematics and Computer Science (ICMC), University of São Paulo, Brazil*
- 7. Title: **Knowing when to quit: Towards autonomous learning with constructive artificial neural Networks****
Authors: Thomas R Shultz, Eric Doty
Speaker: Thomas R Shultz, *Department of Psychology, McGill University, Montreal, Canada*
- 8. Title: **On-line Spatio- and Spectro-Temporal Pattern Recognition with Evolving Spiking Neural Networks utilising Integrated Rank Order-and Spike-Time Learning****
Authors: Nikola Kasabov, Kshitij Dhoble, Nuttapod Nuntalid, Giacomo Indivero
Speaker: Nikola Kasabov, *Knowledge Engineering & Discovery Research Institute (KEDRI), Auckland University of Technology, Auckland, New Zealand*
- 9. Title: **Training a network of mobile neurons****
Authors: Bruno Apolloni, Simone Bassis, Lorenzo Valerio
Speaker: Bruno Apolloni, *Department of Computer Science of the Milan University, Italy*
- 10. Title: **New theories of the brain based on single cell recordings****
Author: Asim Roy
Speaker: Asim Roy, *Arizona State University, Tempe, Arizona, USA*