

Contributions of OxBlue*

Qualification Material for RoboCup 3D Soccer 2011

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Tournament Results

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| 2010 | – 3th place winner in the RoboCup 3D simulation league (RC4EW), UK |
| 2009 | – World 6th place in the international RoboCup World Cup 2009 2D simulation league, Austria |
| 2008 | – World 8th place in the international RoboCup World Cup 2008 2D, China |
| | – World Top 12 in the international RoboCup World Cup 2008 3D, China |
| 2005 | – World 7th place in the international RoboCup World Cup 2005, Japan |
| | – Runner-up in the RoboCup simulation league USA open 2005, USA |
| 2003–2004 | – Champion in China RoboCup simulation league 2004 |
| | – Champion in Jiangsu province RoboCup simulation league 2004 |
| | – Champion in China RoboCup invitational tournament simulation league |

Contributions

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| 2010 | – Jie Ma, Member of organising committee of the international RoboCup simulation league |
| | – Jie Ma, Member of organising committee of the RoboCup 3D simulation league (RC4EW), UK |

* OxBlue is a RoboCup soccer team. It is currently under development at Oxford University and derives from Apollo team. Jie Ma was one of the founders and the team leader of Apollo and the awards before 2006 refers to Apollo04/05.

- 2008–2010 – Jie Ma, Member of technical committee of the international RoboCup simulation league
- 2004 – Jie Ma, Chief referee of the Jiangsu RoboCup simulation league, China

Publications

- [1] Victor Spirin, Jie Ma, and Stephen Cameron. Learning to kick. In *11th Conference Towards Autonomous Robotic Systems (TAROS)*, Plymouth, United Kingdom, 31 August - 2 September 2010.
- [2] Jie Ma and Stephen Cameron. Combining policy search with planning in multi-agent cooperation. In *RoboCup 2008: Robot Soccer World Cup XII, Lecture Notes in Artificial Intelligence*. Springer, 2009.
- [3] Jie Ma and Stephen Cameron. Learning to walk: A model-free biped locomotion approach. In *Towards Autonomous Robotic Systems (TAROS)*, Londonderry, United Kingdom, September 2009.
- [4] Jie Ma and Stephen Cameron. Learning robust and energy-efficient biped walking patterns using QWalking. In *12th International Conference on Climbing and Walking Robots and the Support Technologies for Mobile Machines (CLAWAR)*, Istanbul, Turkey, September 2009.
- [5] Jie Ma and Stephen Cameron. OxBlue2009(2D) team description. In *13th RoboCup International Symposium*, June 2009. CD Supplement.
- [6] Jie Ma and Stephen Cameron. Learning optimal biped locomotion patterns using policy search planning. *Journal of Advanced Computational Intelligence and Intelligent Informatics (JACIII)*, 2009. Submitted to.
- [7] Jie Ma and Stephen Cameron. OxBlue2008(3D) team description. In *12th RoboCup International Symposium*, July 2008. CD Supplement.
- [8] Jie Ma. Learning and cooperation in multiagent systems. DPhil transfer report, Oxford University Computing Laboratory, 2008.
- [9] Jie Ma and Stephen Cameron. OxBlue2008(2D) team description. In *12th RoboCup International Symposium*, July 2008. CD Supplement.
- [10] Jie Ma. Distributed intelligent decision and optimised learning in robocup simulation. Bachelor degree thesis, Nanjing University of posts and telecommunications, 2006. First prize awarded in Jiangsu province.
- [11] Jie Ma, Mao Li, Guoxia Qiu, and Zhiyong Zhang. Q-Learning in RoboCup individual skills. In *China National Symposium on RoboCup*, Guangzhou, 2005.
- [12] Jie Ma, Mao Li, Guoxia Qiu, and Zhiyong Zhang. Apollo 2005 team description. In A. Bredenfled, A. Jacoff, I. Noda, and Y. Takahashi, editors, *RoboCup 2005: Robot Soccer World Cup IX, LNCS*. Springer, 2005. CD Supplement.

- [13] Guoxia Qiu, Zhiyong Zhang, Jie Ma, and Mao Li. Competition and cooperation strategy in multi-agent systems. *Journal of Nanjing University of Science & Technology*, 29 (5A):22–25, 2005.

Presentations

- 2010 – “QWalking — A Model-Free Learning Approach for Biped Locomotion”, Invited Lecture, Robotic Intelligence Lab, University of Wales, Newport 7 May, 2010
- 2009 – “Robot Football”, Oxford University Computing Laboratory Open Day, 8 May 2009
 - “Policy Search Planning and QWalking in RoboCup Football”, Oxford University Computing Laboratory ROSS Seminar Series, Oxford, 10 March 2009
- 2008 – “Robots in Japan: State of the Art”, Oxford University Computing Laboratory Cakes Talk, Oxford, 13 November 2008
 - “RoboCup and RoboCup Soccer”, Spatial Reasoning Group, University of Oxford, September 2008
 - “Robot Footie”, Oxford University Computing Laboratory Open Day, 19 September 2009
 - “Learn to Cooperate in RoboCup Soccer”, various universities in Japan (University of Electro-Communications, University of Tsukuba, University of Tohoku, Tokyo Technology Institute, Osaka Prefecture University, Osaka University). July – August 2008.
 - “Robot Footie”, Oxford University Computing Laboratory Open Day, 25–26 June 2009
 - “Robotics and Robot Football”, Oxbridge Chinese Forum, Oxford, 20 February 2008
- 2007 – “Machine Learning Techniques Applied to Multi-agent Cooperation”, Essex-Oxford Joint Robotics Workshop, University of Essex. October 2007
 - “Machine Learning and Multi-agent systems”, Nanjing University of Posts and Telecommunications, China, August 2007
- 2006 – “RoboCup Soccer 2D Simulation”, Spatial Reasoning Group, University of Oxford. November 2006