

2013 IEEE Symposium on Adaptive Dynamic Programming and Reinforcement Learning (ADPRL)

ADPRL 13 is the fourth IEEE International Symposium on Adaptive Dynamic Programming and Reinforcement Learning. The field of adaptive or approximate dynamic programming and reinforcement learning is a fusion of a number of research areas in engineering, mathematics, artificial intelligence, operations research, and systems and control theory. This symposium brings together researchers from different disciplines and will provide an opportunity for the academic and industrial community to address new challenges, share innovative and practical solutions, and define promising future research directions.

The final technical program of ADPRL consists of 28 papers organized in different sessions. There will be a keynote lecture given by Prof. Huaguang Zhang and the five sessions contribute to various emerging areas of interest within ADPRL. We hope you will find the symposium very interesting, and that you will enjoy sharing time with your colleagues during the symposium to exchange ideas on adaptive methods for optimizing complex systems.

Committees

Symposium Chair

Marco A. Wiering, *University of Groningen, The Netherlands*

Symposium Co-Chair(s)

Huaguang Zhang, *Northeastern University, China*

Jagannathan Sarangapani, *Missouri University of Science and Technology, USA*

Program Committee

Robert Babuska, *Delft University of Technology, Netherlands*

El-Sayed Mohamed El-Alfy, *King Fahd University of Petroleum and Minerals, Saudi Arabia*

Abhijit Gosavi, *Missouri University of Science and Technology, USA*

Frank L. Lewis, *University of Texas at Arlington, USA*

Haibo He, *University of Rhode Island, USA*

Warren Powell, *Princeton University, USA*

Jennie Si, *Arizona State University, USA*

Danil Prokhorov, *Toyota Technical Center, USA*

Shimon Whiteson, *University of Amsterdam, Netherlands*

Charles W. Anderson, *Colorado State University, USA*

Matteo Gagliolo, *Vrije Universiteit Brussel, Belgium*

Hisashi Handa, *Okayama University, Japan*

Dong-Bin Zhao, *Chinese Academy of Sciences, China*

Kazuhiro Ohkura, *Hiroshima University, Japan*

Damien Ernst, *University of Liege, Belgium*

Lucian Busoniu, *University of Lorraine, France*

Zhong-Ping Jiang, *Polytechnic Institute of NYU, USA*

Marcus Hutter, *Australian National University, Australia*

Yasutake Takahashi, *University of Fukui, Japan*

Derong Liu, *University of Illinois Chicago, USA*

Koichi Moriyama, *Osaka University, Japan*

Emo Todorov, *University of Washington, USA*

Yanhong Luo, *Northeastern University, China*

Wen Yu, *Cinvestav-IPN, Mexico*

Ann Nowé, *Vrije Universiteit Brussel, Belgium*

Zeng-Guang Hou, *Chinese Academy of Sciences, China*

Rémi Munos, *INRIA Lille, France*

Draguna Vrabie, *United Technologies Research Center, USA*

Xin Xu, *National University of Defense Technology, China*

Yan Zhao, *Shenyang Institute of Engineering, China*

Dedong Yang, *Hebei University of Technology, China*

Tiedong Ma, *Chongqing University, China*

Xin Zhang, *Northeastern University, China*

Raphael Fonteneau, *University of Liege, Belgium*

Antonios Tsourdos, *Defence Academy of the United Kingdom, UK*

Mingcong Deng, *Tokyo University, Japan*

Hossein Javaherian, *General Motors Warren, USA*

Martijn van Otterlo, *Radboud University Nijmegen, Netherlands*

Harm van Seijen, *University of Alberta, Canada*

Hado van Hasselt, *CWI Amsterdam, Netherlands*

Marc Deisenroth, *University of Washington, USA*

Gerhard Neuman, *Technical University Darmstadt, Germany*

Abdeslam Boularias, *Max Planck Institute for Intelligent Systems Tübingen, Germany*

Frans Oliehoek, *University of Maastricht, Netherlands*

Nikos Vlassis, *University of Luxembourg, Luxembourg*

Matthijs Spaan, *Delft University of Technology, Netherlands*
Martin Riedmiller, *University of Freiburg, Germany*
Thomas Gabel, *University of Freiburg, Germany*
Todd Hester, *University of Austin Texas, USA*
Karl Tuyls, *University of Maastricht, Netherlands*
Istvan Szita, *Google, Switzerland*
Shahab Mehracen, *Louisiana State University, USA*
Travis Dierks, *DRS Technologies St. Louis, USA*
Kyriakos Vamvoudakis, *University of California, USA*
Guang-Bin Huang, *Nanyang Technological University, Singapore*
Jian Fu, *Wuhan University of Technology, China*
Zhanshan Wang, *Northeastern University, China*
Qinglai Wei, *Chinese Academy of Sciences, China*
Chunbin Qin, *Henan University, China*