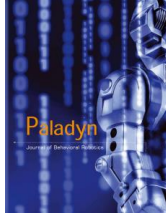


Paladyn. Journal of Behavioral Robotics

Call for Papers for

Special Issue on Benchmarking Reaching Motion Primitives



- ISSN: 2080-9778 (print version)
 - ISSN: 2081-4836 (electronic version)
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Paladyn. Journal of Behavioral Robotics invites manuscripts for the Special Issue on Benchmarking Reaching Motion Primitives, which discusses performance of methods on a benchmark suite provided by the special issue organizers. Whereas the learning motion primitives has become a popular topic in robotics in particular in the context of learning from demonstration, a large number of different models that able to represent such primitives have been developed in recent years. However, standardized and systematic generalization tests using well-established measures including those for human-likeness as derived in human-motion science are largely lacking.

The special issue follows-up an IEEE Humanoids workshop 2013 on “Benchmarking state-of-the-art algorithms in generating human-like robot reaching motions”, organized by M. Khansari, A. Lemme, Y. Meirovitch, B. Schrauwen, M. Giese, A. Ijspeert, A. Billard and J. Steil. A respective benchmarking software framework is published and ready for use at doi:10.4119/unibi/2678439. The software is accompanied by a baseline paper available as first publication of the special issue at doi:10.1515/pjbr-2015-0002. Additional information is provided here: <http://www.amarsi-project.eu/benchmark-framework>.

The special issue invites to submit up to 6 pages manuscripts on relevant algorithms providing a short description of the used algorithm and discussing its performance based on results generated by the provided benchmark framework. It is the intention of the organizers to keep the special open to new methods and submission for a substantial amount of time in order to document progress in the field. The scope of the topical issue therefore is:

- Benchmarking,
- systematic comparisons,
- imitation learning,
- movement primitives,
- reaching movements

Manuscript Submission

The authors are kindly invited to register at our paper processing system at: <http://www.editorialmanager.com/paladyn/> and submit their contribution using a special track established for this topical issue. All papers will go through the Paladyn's high standards, quick, fair and comprehensive peer-review procedure.

Instructions for authors are available online at:

http://www.degruyter.com/view/supplement/s20814836_Instructions_for_Authors.pdf. In case of any questions please contact Guest Editors or Managing Editor.

Important Dates

Full paper submission due:	continuous until at 2016
Notification of acceptance:	2-3 months after the submission
Revised version due:	1 month after the notification of acceptance
Publication:	4-6 months after submission

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