PAPER SUBMISSION:

Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.

All papers will be reviewed following standard reviewing procedures for the Journal.

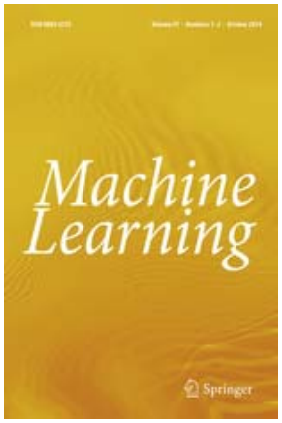
Papers must be prepared in accordance with the Journal guidelines: http://www.springer.com/10994

Manuscripts must be submitted to: http://MACH.edmgr.com. Choose "Special Issue: Discovery Science" as the article type.

Important Dates

- **Submission deadline:** 28 February 2015
- **First review results:** 15 May 2015
- **Revised papers due:** 15 June 2015
- **Final selection:** 31 July 2015
- **Online Publication:** Autumn 2015
- **Print Publication:** Early 2016

www.springer.com/10994



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MACHINE LEARNING

~Special Issue Call for Papers~

"Special Issue on Discovery Science"

Guest editors

Sašo Džeroski, Jožef Stefan Institute, Slovenia
Dragi Kocev, Universita degli studi di Bari, Italy & Jožef Stefan Inst., Slovenia
Panče Panov, Jožef Stefan Institute, Slovenia

Scope and Background

The ***Machine Learning*** journal invites submissions on Discovery Science, a research discipline concerned with the development and analysis of methods for discovering scientific knowledge, coming from machine learning, data mining, and intelligent data analysis, as well as their applications in various scientific domains. Submissions focusing on the analysis of different types of complex data, such as structured, spatio temporal and network data are welcome. Submissions addressing applications in scientific domains, such as environmental and life sciences are also welcome. Finally, submissions from the areas of computational scientific discovery, mining scientific data, computational creativity and discovery informatics are encouraged.

Topics of interest

An indicative non-exhaustive list of topics includes
- computational scientific discovery
- data mining and knowledge discovery
- machine learning and statistical methods
- computational creativity
- mining scientific data
- data and knowledge visualization
- knowledge discovery from scientific literature
- mining text, unstructured and multimedia data
- mining structured and relational data
- mining temporal and spatial data
- mining data streams
- network analysis
- discovery informatics
- discovery and experimental workflows
- knowledge capture and scientific ontologies
- data and knowledge integration
- logic and philosophy of scientific discovery
- applications of the above methods in various scientific domains (e.g., bioinformatics, system biology, and climate informatics)

For more information, contact the guest editors at:
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