**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 Machine Learning journal.

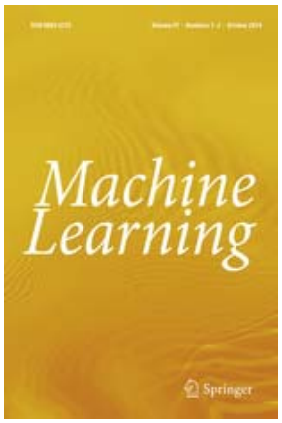
Papers must be prepared in accordance with the Journal guidelines: http://www.springer.com/10994

Manuscripts must be submitted to: http://MACH.edmgr.com. Choose "ILP 2015" as the article type.

**Important Dates**

- **Submission deadline:** 8 January 2016
- **First review results:** March/April 2016
- **Revised papers due:** within 60 days of decision
- **Final selection:** July 2015

**www.springer.com/10994**

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# MACHINE LEARNING

*~Special Issue Call for Papers~*

## "Inductive Logic Programming"

We are delighted to announce an open call for a Machine Learning Journal special issue on Inductive Logic Programming. Papers for the special issue are solicited in all areas of learning in logic, relational learning, and relational data mining, statistical relational learning, multi-relational data mining, relational reinforcement learning, graph mining, connections with other learning paradigms, among others. The papers can address topics including, but not limited to:

**Theories**: logical foundations, learning scenarios, theories on abduction and discovery, predicate invention, data/model representation frameworks, computational and/or statistical properties, etc.

**Algorithms**: logical/probabilistic/statistical approaches, distance and kernel-based methods, learning with (semi)structured data, supervised/unsupervised/semi-supervised relational learning, relational reinforcement learning, inductive databases, abductive learning, link discovery, new propositionalization approaches, multi-instance learning, learning dynamics of systems, etc.

**Representations and languages**: datalog, first-order logic, description logics and ontologies, higher-order logic, probabilistic logical representations, constraint programming, mapping between alternative representations.

**Systems**: implementation issues, optimization, parallelism, efficiency and scalability, etc.

**Applications**: mining and multi-relational learning from databases/documents/texts/web, sciences (bioinformatics, cheminformatics, medical informatics, social science, etc.), natural language processing and computational linguistics, engineering, robotics, games, semantic web, social networks, the arts, etc.

An article is submitted to the ILP'15 special issue by choosing "ILP 2015" as the article type. Articles must adhere to all requirements of the Machine Learning journal, and should be at most 20 pages long. Submissions exceeding this length will not be given priority during reviewing and may, as a consequence, be under review for a longer period. We will strive for notification within eight weeks, although we cannot guarantee it.

The Special Issue Guest Editors:

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http://www.ilp2015.jp/for_authors.php#_mlj_special_issue