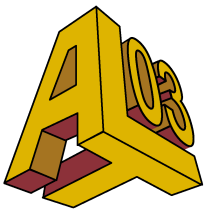

Call for Papers: ALT 2003

The 14th International Conference on Algorithmic Learning Theory

Hokkaido University, Sapporo, Japan, October 17 - 19, 2003

The 14th International Conference on Algorithmic Learning Theory (ALT 2003) will be held at Hokkaido University, Sapporo, Japan, during October 17–19, 2003. The main objective of the conference is to provide an interdisciplinary forum for discussion of theoretical foundations of machine learning as well as their relevance to practical applications. The conference will be co-located with the 6th International Conference on Discovery Science (DS 2003).

Topics of Interest: We invite submissions to ALT 2003 in all areas related to algorithmic learning theory, and those that are aimed at bridging theory and practice. Topics of interest include (but are not limited to): *the design and analysis of learning algorithms, computational models of machine learning* (*e.g., on-line learning, learning via queries, inductive inference, statistical learning*), *specific algorithmic approaches* (*e.g., margin-based algorithms, MDL estimation*), *learning complex models* (*e.g., neural networks, Bayesian networks, logical formulae, grammars, instance-based models*), *machine discovery, and applications of machine learning to other fields* (*e.g., data mining, web mining, bioinformatics*).

Invited Talks. There will be several invited talks by prominent researchers in the field.

Submissions. Authors are encouraged to submit their papers electronically. Details are given at the conference web-page. Alternatively, they may submit nine hard copies of their papers to:

> **Eiji Takimoto**
> Graduate School of Information Sciences
> Tohoku University
> Sendai, 980-8579 Japan

which must be received by the deadline given below.

Important Dates.

> Submission deadline: May 30, 2003
> Notification of acceptance: July 10, 2003
> Camera ready due: August 10, 2003

Format. The submitted paper should consist of a cover page with title, authors' names, postal and e-mail addresses, an approximately 200 word summary, and a body not longer than ten (10) A4 or letter sized pages in twelve-point font. You may use appendices to include long but major proofs. If you submit hard-copies, double-sided printing is encouraged.

Policy. Each submitted paper will be reviewed by the members of the program committee and be judged on clarity, significance, and originality. Joint submissions to other conferences with published proceedings are not allowed. Papers that have appeared in journals or other conferences are not appropriate for ALT 2003.

Proceedings will be published as a volume in the Lecture Notes Series in Artificial Intelligence, Springer, and will be available at the conference.
Selected papers of ALT 2003 will be invited to a special issue of the journal *Theoretical Computer Science*.

E.M. Gold Award. One scholarship of 555 € will be awarded to a student author (please mark student submissions on the title page) of an excellent paper.

Conference Chair:

> Klaus P. Jantke
> DFKI GmbH Saarbrücken, Germany
> `jantke@dfki.de`

Program Committee Chairs:

> Ricard Gavaldà (Tech. Univ. of Catalonia, Spain)
> Eiji Takimoto (Tohoku Univ., Japan)

Program Committee:

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> Frank Stephan (Univ. Heidelberg, Germany)
> Christino Tamon (Clarkson Univ., USA)

Local Arrangements Chair:

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> Hokkaido University, Sapporo, Japan
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For more information, please contact:

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Conference Homepage:

http://www.tcs.mu-luebeck.de/pages/alt03.html