

Call for Papers

Artificial Life VIII

The Eighth International Conference on the Simulation and Synthesis of Living Systems
University of New South Wales, Sydney, NSW, Australia
9–13 December 2002

Artificial life is an interdisciplinary scientific and engineering enterprise investigating the fundamental properties of living systems through the simulation and synthesis of life-like processes in artificial media. The Artificial Life VIII conference will showcase the best current work in this area of research and highlight promising new avenues of investigation. It continues a successful series of international conferences started in 1987 by Chris Langton.

All authors of contributed papers are strongly encouraged to explain how their work sheds light on the fundamental properties of living systems. In addition, authors should take note of the list of fundamental open problems in artificial generated after a special roundtable discussion at the previous Artificial Life conference (Bedau et al., Open problems in artificial life, *Artificial Life 6* (2000): 363–376). Authors are encouraged either to link their work to one of the problems listed there, or to identify another important open problem that their work addresses. Papers are welcome in (but not limited to) the following topic areas:

Origin of life, self-organization, self-replication
Development and differentiation
Evolutionary and adaptive dynamics
Robots and autonomous agents
Communication, cooperation and collective behavior
ALife simulation and synthesis tools and methodologies
Applications of ALife technologies
Philosophical, ethical, social, and cultural implications

Full information about conference paper format and submission procedures is available through the conference web site (<http://alife8.alife.org>).

In addition to a variety of social and cultural events taking advantage of the venue in Sydney, the Conference will include a series of workshops and tutorials for special interest groups. An *Artificial Life VIII Workshop Proceedings* will be published at the Conference. Anyone interested in organizing or participating in a workshop or tutorial should contact the Workshops and Tutorials Chair: Dr. Hussein Abbass (abbass@cs.adfa.edu.au).

Important dates

6 May 2002: Receipt of submitted papers
1 July 2002: Notification of acceptance
29 July 2002: Camera-ready copy due
9–13 December 2002: Artificial Life VIII Conference

Publisher

MIT Press

Organization

Conference Chair: Russell Standish (University of New South Wales)
Workshops and Tutorials Chair: Hussein Abbass (University of New South Wales)
Program Committee Chair: Mark Bedau (Reed College)
Local Arrangements: Russell Standish (University of New South Wales)

Contact information

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