



Call for Papers **(Deadline Extended until 11 February!)** 2nd IFIP Conference on Biologically Inspired Collaborative Computing **BICC 2008**

20th IFIP World Computer Congress
BICC 2008

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Roy Sterritt (Northern Ireland)
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Submission via:

<http://sttt.cs.uni-dortmund.de/bicc08/servlet/Conference>

IMPORTANT DATES

Deadline: 11 February 2008

Notification: 10 March 2008

Camera Ready: 7 April 2008

IFIP BICC: 7-10 September 2008

Keynotes by Marco Dorigo and Jon Timmis

Scope and Topics

A new paradigm in computing is to take many simple autonomous objects or agents and let them jointly perform a complex task, without having the need for centralized control. In this paradigm, these simple objects interact locally with their environment using simple rules. An important inspiration for this model is nature itself, where many such systems can be found. Applications include optimization algorithms, communications networks, scheduling and decision making, supply-chain management, and robotics.

There are many disciplines involved in making such systems work: from artificial intelligence to energy aware systems. Often these disciplines have their own field of focus, have their own conferences, or only deal with specialized subproblems (e.g. swarm intelligence, biologically inspired computation, sensor networks).

The 2nd IFIP Conference on Biologically Inspired Cooperative Computing attempts to bring the various fields together and explore boundaries.

Streams

The conference topics will include, but are not limited to, the following streams:

- *Modelling and Reasoning about Collaborative Self-Organizing Systems*
- *Collaborative Sensing and Processing Systems*
- *Dependability of Collaborative Self-Organizing Systems*
- *Design and Technology of Collaborative Self-Organizing Systems*

Paper submission: Papers presenting original research in conference topics are being sought. A full paper (8 to 10 pages) or short paper (4 pages) written in English should be sent by **11 February 2008**. Proceedings of IFIP BICC 2008 will be published by *Springer Science and Business Media* (SSBM). More information can be found in due course at <http://www.wcc2008.org>. Acceptance will be based on quality, relevance and originality of the work. Authors will be notified of acceptance or rejection via e-mail by 10 March 2008. Full versions of accepted papers (camera-ready) must be written in English, and will be due by **7 April 2008**.

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