



BIONETICS 2011 – Call For Papers

<http://www.bionetics.org/>

The 6th Int'l ICST Conference on Bio-Inspired Models of Network, Information and Computing Systems.
December 5-7, 2011, York, UK

Endorsed by:



Scope

BIONETICS 2011 aims to provide a world-leading and unique opportunity for bringing together researchers and practitioners from diverse disciplines that seek the understanding of the fundamental principles and design strategies in biological systems, and leverage those understandings to build bio-inspired systems.

Topics of interest include (but are not limited to):

- Signal/information processing and communication models in biological systems
- Bio-inspired formal models and methods
- Bio-inspired algorithms and mechanisms
- Bio-inspired software and hardware systems
- Biomimetics, bioengineering and synthetic biological systems
- Modeling and simulation of bio-inspired systems, biological systems and synthetic biological systems
- Self-* properties in bio-inspired systems, biological systems and synthetic biological systems
- Design and performance issues in bio-inspired systems and synthetic biological systems
- Tools, testbeds and deployment aspects in bio-inspired systems and synthetic biological systems
- Real-world applications and standardization of bio-inspired systems and synthetic biological systems
- Socially-aware, game theoretic and other metaphor-driven interdisciplinary approaches to bio-inspired systems and synthetic biological systems

Application domains include, but not limited to, autonomic computing, bioinformatics, biological engineering, computer networks, computer vision, data mining, green computing and networking, grid/cloud computing, intelligent agents, mechanical engineering, molecular communication, nano-scale computing and networking, optimization, pervasive computing, robotics, security, software engineering, and systems engineering.

Accepted papers will be published in Springer's LNICST series.

Steering Committee

Imrich Chlamtac
Tatsuya Suda
Falko Dressler
Iacopo Carreras
Tadashi Nakano
Jun Suzuki

Conference Chairs

Jon Timmis
Emma Hart

Organising Committee

Foad Dabiri
Paul Mitchell
Mark Read
James Hilder

Special Tracks

- Bio-inspired Machine Vision
- Brain Inspired Networking
- Engineering Emergence: Techniques, Applications and Practice
- Nano-scale Communication and Networking
- Self-Adaptive and Self-Aware Multi-Component Systems
- Bio-Inspired Error Detection
- Bio-Inspired Approaches to Advanced Computing and Communications

Important Dates:

Submission Deadline: 1st September 2011

Notification: 23rd September 2011

Camera Ready Copy: 8th October 2011



ACM SIG on Simulation and Modeling

