

CALL FOR PAPERS

IIAS - 2006

2nd International Symposium

on

Nano-Technology, Nano-Biomimicry and Biomimetic Engineering

Chaired by

Dr. Salvatore Santoli, INT – International Nanobiological Testbed Ltd.

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Papers are invited for presentation at a Special Focus Symposium on Theory and Applications of Nano-Technology, Nano-Biomimicry and Biomimetics, which will be part of the 18th International Conference on Systems Research, Informatics and Cybernetics, to be held **August 7 – 12, 2006**, in Baden-Baden, Germany. The submissions should deal with one or more of the following areas

- **Biomimicry and Biomimetic Design**
- **Nanotechnology and Microengineering**
- **Nanoelectronics and Micromechanics**
- **Biomimetic Autonomous Robotic Systems**
- **Nanotech (Cellular) Automata**
- **Nanotech Biomedical Applications**
- **Micro/Nanotechnology Applications in Health, Healing and Medicine**
- **Remote Control and Guidance of Nanotech Biosystems**
- **Information and Energy processing in Nanotech Biosystems**
- **Communication and Cooperation of Nanotech Biosystems**
- **Shape Control in Nanosystems**
- **Synergetics in Nanotech BioSystems**
- **Mobile Nano-Automata and Biosystems**
- **Self-Adaptive Autonomous NanoBiomimetic Systems**
- **Molecular Design and Machinery**
- **Distributed Intelligence in BioMimetic Systems**
- **Propulsion of NanoAutomata and BioMimetic Systems**
- **Interactive Nano Automata**
- **Multifunctional Materials**
- **Applications of NanoBio-Systems in Ecology and Environmental Sciences**
- **Modeling and Simulation of Micro/Nano Systems and Processes**

Of a particular interest would be papers that deal with the uses of Information Technology tools within the above areas.

The Paper Submission Guidelines, the Copyright Transfer Form and the Conference Registration Form are available at the Home page of the IIAS at: <http://www.iias.edu>

Papers should be submitted as soon as possible but not later than **March 31, 2006**. All submitted papers will be refereed. Those selected will be scheduled for presentation and published in Conference Proceedings. Notification of Acceptance will be sent to authors not later than **April 15, 2006**. The camera-ready full papers, not to exceed 6 single-spaced typed pages should be submitted with photo-ready copies of artwork and with relevant diskettes by **June 9th, 2006** to Dr. Salvatore Santoli and Prof. George E. Lasker at the addresses below. The full papers should also be transmitted electronically in MS Word format to

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and to: **Prof. George E. Lasker,**
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The 18th International Conference on Systems Research, Informatics and Cybernetics is also the 26th Annual Meeting of the International Institute for Advanced Studies in Systems Research and Cybernetics. The information update about this Conference is available at:

<http://www.iias.edu>