



The 7th International Conference on Evolvable Systems: From Biology to Hardware The 2nd International Symposium on Intelligence Computation and Applications

(ICES'07-ISICA'07)

September 21-23, 2007, Wuhan, China

Call for Papers

The 7th International Conference on Evolvable Systems: From Biology to Hardware (ICES 2007) and the 2nd International Symposium on Intelligence Computation and Applications (ISICA 2007) will be jointly held on September 21-23, 2007 at Wuhan, China. ICES 2007 will address the theme "From Laboratory to Real World" by explaining how to shorten the gap between evolvable hardware research and design for real-world applications. Cross-fertilization of evolvable hardware, intelligent computation and newly emerging technologies is strongly encouraged. It will feature world-renowned plenary speakers, state-of-the-art special sessions, regular technical sessions, poster interactions, and entertaining social activities. Following the successful ISICA 2005, ISICA 2007 will focus on the applications of intelligent computation in all fields especially in earth and space sciences for analyzing and processing massive or real-time data that are beyond the scope of traditional computation. Cross-fertilization of intelligent computation and newly emerging technologies is strongly encouraged.

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Topics include but are not limited to the following:

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| <p>ICES 2007</p> <ul style="list-style-type: none"> Adaptive antennas Adaptive hardware platforms Adaptive wired & wireless networks Autonomous robots Digital & analog hardware evolution Embryonic hardware Evolutionary hardware design methodologies Evolutionary robotics Mechanical hardware evolution Molecular computation Morphogenesis | <ul style="list-style-type: none"> Neural hardware Self-developing systems Self-repairing hardware Self-replicating hardware Real-world applications <p>ISICA 2007</p> <ul style="list-style-type: none"> Evolutionary computation Neural networks Fuzzy systems Evolutionary optimization in dynamic environments Multi-objective evolutionary optimization Ant colony, artificial immune & artificial life systems | <ul style="list-style-type: none"> Biological computing & DNA computing Cognitive science Data mining & knowledge discovery Feature extraction Intelligent control Intelligent GIS Learning & memory Machine learning Particle swarm optimization Pattern recognition Probabilistic reasoning Reinforcement learning Real-world applications |
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| General Chair: | Yanxin Wang, China |
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| Program Co-chairs: | Tetsuya Higuchi, Japan |
| | Bob McKay, South Korea |

Important Due Dates

Paper Submission: **March 31, 2007**
 Decision Notification: **May 15, 2007**
 Camera-Read Submission: **June 15, 2007**

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Submission and Publications

All papers in PDF format should be submitted electronically through the conference website. The conference proceedings will be published by Springer in the series of Lecture Notes in Computer Science (LNCS) in both hard copy and electronic form. The manuscripts should be written in English and follow the LNCS format provided by Springer (<http://www.springer.de/comp/lncs/authors.html>). Full papers are limited to maximum 12 and 8 pages for ICES07 and ISICA07 respectively.

Conference Web Sites

<http://www.eccug.cn/ices-isica07/>