The Ninth International Conference on Swarm Intelligence (ICSI'2018)

June 17-22, 2018, Crowne Plaza, Shanghai, China

http://www.ic-si.org

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ICSI 2018 Call for Papers

The Ninth International Conference on Swarm Intelligence (ICSI'2018) serves as an important forum for researchers and practitioners to exchange latest advantages in theories, technologies, and applications of swarm intelligence and related areas. The ICSI'2018 is the ninth annual event in this high-reputation ICSI series following the continuous eight previous events at Fukuoka, Bali, Beijing, Hefei, Harbin, Shenzhen, Chongqing and Beijing. Papers presented at the ICSI'2018 will be published by Springer-Nature in Lecture Notes in Computer Science (indexed by EI Compendex, ISTP, DBLP, SCOPUS, Web of Science ISI Thomson, etc.), some high-quality papers will be selected for SCI-indexed Transaction and Journal (including IEEE Trans, Swarm and Evolutionary Optimization, etc.).

The ICSI'2018 will be held in the world-famous city of Shanghai, which is the largest and the most developed metropolis with both modern and traditional Chinese features in China. Due to its unique style history and location, shanghai turns into an international city as a bridge between foreign countries and China. It is a global financial center and transport hub. Shanghai is a popular travel destination for visitors to sense the pulsating development of China. The most famous tourist destinations include Oriental Pearl TV Tower, Jingmao building, World financial center, Disney paradise, Yuyuan garden. If you want to enjoy the amazing city, come to shanghai, you will love it.

Topics of interest include, but are not limited to:

Theories	Algorithms	Realizations	Applications
●Swarm-based optimization techniques ●Swarm computing ●Artificial life ●Cognitive science ●Social evolution ●Cooperative theories ●Competitive theories ●Mutual cooperation ●Information Utilization ●Optimization theories ●Immune system theory ●Evolutionary computing ●Multi-agent theories ●Natural computing ●Simulation and emulation of nature ●Collective/Social intelligence ●Evolving intelligence ●Social computing Others	●PSO algorithms ●ACO algorithms ●Fireworks algorithms ●Fish school search ●Bees algorithms ●ABC algorithms ●BSO algorithms ●Cultural algorithms ●Social computing ●Genetic algorithms ●Differential evolution ●Memetic algorithms ●Bioinspired algorithm ●Cuckoo / Firefly / Bat Algorithms ●Biogeography-based Optimization ●Evolutionary programming ●Evolutionary strategy ●Learning systems ●GPU Parallelization ●Other swarm-based algorithms	●Swarm models ●Swarm robotics ●Multi-agent systems ●AIS system ●Evolv. intelligent agents ●Analytic models of emergent behaviors ●Evolving fuzzy system ●Evolving neural nets ●Bio-inspired computing models ●Socio-inspired computing models ●Routing and scheduling ●MOO, Many-OO ●Constrained OP ●Dynamic OP ●Combinatorial OP **Emerging areas** ●Molecular computing ●DNA computing ●Quantum computing ●Granularity computing ●Deep computing ●Pervasive computing	●Big Data ●Deep nets & learning ●Data mining ●Machine learning ●Pattern recognition ●Automatic control ●UAV control ●Intelligent transport. ●Web intelligence ●Information security ●Signal/Image process ●Computer vision ●Robotic manipulator ●Cognitive robots ●Virtual reality ●2D/3D virtual swarms ●Video surveillance ●Bioinformatics ●Data analysis/science ●Telecommunications ●Underwater vehicles ●Automatic driving ●NLP and learning ●Chess playing ●Games ●Internet+ techniques ●Other SI applications

Important Dates

Special sessions and Tutorials:----------**January 15, 2018**
Paper submission deadline:---------- **January 30, 2018**
Notification of acceptance:----------**March 30, 2018**
Author registration deadline:----------**April 15, 2018**
Camera-ready copy deadline:----------**April 15, 2018**

Keynote Speakers:

Swagatam Das, *Indian Stati. Institute, India*

Information and Enquiry

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