



# Seventh International Conference on Swarm Intelligence (ICSI'2016)

## June 25-30, 2016, Padma Resort, Bali, Indonesia

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# ICSI 2016 Call for Papers

The seventh International Conference on Swarm Intelligence (ICSI'2016) serves as a very important forum and opportunity for researchers and practitioners to exchange latest advantages in theories, technologies, and applications of swarm intelligence and related areas. The ICSI'2016 is the seventh annual event in the high-reputation ICSI series after Beijing joint event (ICSI-CCI'2015), Hefei event (ICSI' 2014), Harbin event (ICSI' 2013), Shenzhen event (ICSI' 2012), Chongqing event (ICSI' 2011) and Beijing event (ICSI'2010). Papers presented at ICSI'2016 will be published in Springer's Lecture Notes in Computer Science (indexed by EI, ISTP, DBLP, SCOPUS, Web of Science ISI Thomson, etc.), some high-quality papers will be selected for SCI-indexed International Journals.

Bali is a famous Indonesian island with the provincial capital at Denpasar. Lying between Java to the west and Lombok to the east, this island is renowned for its volcanic lakes, spectacular rice terraces, stunning tropical beaches, ancient temples and palaces, dance and elaborate religious festivals. Bali is also the largest tourist destination in the country and is renowned for this highly developed arts, including traditional and modern dance, sculpture, painting, leather, metalworking, and music. Since the late 20th century, the province has had a big rise in tourism. Bali received the Best Island Award from Travel and Leisure. According to BBC Travel, Bali is one of the World's Best Islands! We are sure that you will have a wonderful experience in Bali Island during ICSI 2016.

Topics of interest include, but are not limited to:

Theories	Algorithms	Models	Applications
<ul style="list-style-type: none"> <li>Swarm-based optimization techniques</li> <li>Swarm computing</li> <li>Swarm robotics</li> <li>Artificial life</li> <li>Bioinformatics</li> <li>Cognitive science</li> <li>Social evolution</li> <li>Optimization theories and methods</li> <li>Immune system theory</li> <li>Evolutionary computing</li> <li>Grammatical evolution</li> <li>Natural computing theories</li> <li>Simulation and emulation of nature</li> <li>Collective/Social intelligence</li> <li>Social intelligence</li> <li>Social computing</li> </ul>	<ul style="list-style-type: none"> <li>PSO algorithms</li> <li>ACO algorithms</li> <li>FSS algorithms</li> <li>Bees algorithms</li> <li>ABC algorithms</li> <li>BSO algorithm</li> <li>Cultural/Social algorithms</li> <li>Genetic algorithms</li> <li>Differential evolution</li> <li>Fireworks algorithms</li> <li>Memetic algorithms</li> <li>Bio-inspired algorithms</li> <li>Evolutionary programming</li> <li>Evolutionary strategy and learning systems</li> <li>GPU Parallelization of swarm-based algorithms</li> <li>GPU Parallelization Implementation</li> <li>Other swarm-based algorithms</li> </ul>	<ul style="list-style-type: none"> <li>swarm models</li> <li>Multi-agent systems</li> <li>Artificial immune system</li> <li>Evolutionary intelligent agents</li> <li>Analytic models of emergent behaviors</li> <li>Evolving fuzzy system</li> <li>Evolving neural networks</li> <li>Bio-inspired computing models</li> <li>Socio-inspired computing models</li> <li>Routing and scheduling</li> <li>MOO, ManyOO</li> <li>Constrained OP</li> <li>Dynamic OP</li> <li>Combinatorial OP</li> </ul> <p><b>Emerging areas</b></p> <ul style="list-style-type: none"> <li>Molecular computing</li> <li>DNA computing</li> <li>Quantum computing</li> <li>Granularity computing</li> </ul>	<ul style="list-style-type: none"> <li>Big Data</li> <li>Deep learning</li> <li>Data mining</li> <li>Machine learning</li> <li>Pattern recognition</li> <li>Automatic control</li> <li>Intelligent traffic</li> <li>Web intelligence</li> <li>Internet+ techniques</li> <li>Information security</li> <li>Signal / Image processing</li> <li>Pattern recognition</li> <li>Virtual reality</li> <li>2D or 3D virtual swarms</li> <li>Video surveillance</li> <li>Telecommunications systems</li> <li>Cybernetics and self-organization</li> <li>Natural language processing</li> <li>Other swarm intelligence related applications</li> </ul>

### Important Dates

proposals deadline for Special sessions  
and Tutorials and Symposia:-----January 01, 2016  
Paper submission deadline:-----January 30, 2016  
Notification of acceptance:-----March 15, 2016  
Author registration deadline:-----March 30, 2016  
Camera-ready copy deadline:-----April 15, 2016

### Information and Enquiry

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