

# ICAI2010

Call for Papers

The 2nd International Conference on Advanced Intelligence 2010

Aug. 20-23, 2010, Beijing, China

<http://caai.cn:8080/icai2010>

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Having experienced more than 50 years' research and development, Artificial Intelligence is now stepping into a new era that may be called Advanced Intelligence. Typical features of Advanced Intelligence include: (1) Close interaction and coordination between Natural Intelligence and Artificial Intelligence, (2) Ideas and applications that push the frontiers of both Artificial Intelligence and Natural Intelligence, (3) Large-scale Distributed Intelligence and Web Intelligence. In response to these new developments and themes, the International Conference on Advanced Intelligence (ICAI) was initiated in Beijing on August 1, 2006, as a collective endeavor of representatives from five continents. It was decided that ICAI should be a serial conference held every other year, starting 2008.

**ICAI2010** provides a leading international forum for the sharing of original research results and practical development experiences among researchers and application developers from all areas related to the Advanced Intelligence.

🕒 **Paper Submission** : Papers should be no longer than 10 pages including all tables, figures, and references but excluding a cover page. Fonts should be in 10-12 pt. Each submission must include one cover page which should contain:

- 📄 • Title of the paper with an abstract of no more than 500 words;
- 📄 • A few keywords, from the list of topics below where possible, giving a clear indication of topics;
- 📄 • Author names with affiliations, complete postal addresses, and phone numbers;
- 📄 • Email address of the contact author.

All papers should be sent electronically (preferably in PDF) to the EasyChair paper management system through <http://www.easychair.org/conferences/?conf=icai2010> or you can enter CAAI Web site <http://caai.cn:8080/icai2010/> and then press the button "Article Submission". All paper submissions will be peer reviewed. Accepted papers will be published and available at the conference. At least one author of an accepted paper must register at the conference and present the paper at the conference. A selected number of the conference accepted papers will be expanded and revised for possible inclusion in "International Journal of Advanced Intelligence ", "Frontiers of Electrical and Electronic Engineering in China". ICAI2010 Best Paper Awards will be conferred at the conference on the authors of (1) the best research paper and (2) the best application paper.

🕒 **Topics** include but not limited to the following:

A-01	Affective Computing and Artificial Emotion	G-01	General Theory of Advanced Intelligence	K-03	Knowledge-based Systems Creation from Information
A-02	Agents and Multi-agent Systems	G-02	Game Playing	L-01	Linguistic Dynamics
A-03	Artificial Brain	H-01	Heuristic Search	M-01	Machine Learning
A-04	Artificial General Intelligence	H-02	Humanized System	M-02	Machine Translation
A-05	Artificial Life	H-03	Hybrid Artificial and Natural Intelligence	M-03	Memory Model
A-06	Autonomic Computing			M-04	Model-based Systems
B-01	Biological Computing	I-01	Information Retrieval and Extraction	N-01	Natural Language Processing & Understanding
B-02	Brain Informatics	I-02	Information Fusion	N-02	Nature-inspired Computation
B-03	Brain and Mind Models	I-03	Information-knowledge-Intelligence Transform	N-03	Neural Information Processing
B-04	Brain-Computer Interface			O-01	Ontology Construction and Organization
B-05	Business Intelligence	I-04	Integrated Intelligence Theory & Application	P-01	Pattern Recognition
C-01	Cognitive Informatics	I-05	Intelligent Animation	P-02	Planning and Scheduling
C-02	Complex Systems	I-06	Intelligent Autonomic Decentralized System	S-01	Semantic Web
C-03	Computational Intelligence			S-02	Soft-Computing and Rough Set
C-04	Computational Linguistics	I-07	Intelligent Control	S-03	Swarm Intelligence
C-05	Constraint Satisfaction	I-08	Intelligent Foundations of Computing	T-01	Theories of Natural Intelligence
C-06	Coordinative Intelligence			U-01	Uncertainty Processing
D-01	Data Mining and Knowledge Discovery	I-09	Intelligent Optimization & Decision-Making	U-02	Universal Logic
D-02	Distributed Intelligence	I-10	Intelligent Robotics	V-01	Vision and Perception
E-01	Evolutionary Algorithms and Systems	I-11	Intelligent Systems	V-02	Visual Information Processing
E-02	Extendible Set and Extendible Logic			W-01	Web Intelligence
F-01	Fuzzy Logic and other Logic System	K-01	Knowledge Acquisition		
		K-02	Knowledge Representation		

### *Important Dates:*

Deadline of Paper Submission:	<b>April 30, 2010</b>
Acceptance Notification:	<b>May 25, 2010</b>
Camera-ready paper:	<b>June 10, 2010</b>

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