



Second International Conference on Computer Science and  
Engineering (JICCSE) 2006  
December 5-7, 2006  
Amman, Jordanian



**Call for Papers**  
Special Session on  
**Intelligent Systems**

Dear Colleagues,

The organizing Committee is pleased to invite you to submit a draft paper on Second International Conference on Computer Science and Engineering JICCSE-Style. All accepted papers will be published in the conference proceedings. Please email your submission to the Chair of this session (see below for email address) and also upload through electronic submission.

**Introduction to Special Session on Intelligent Systems**

Intelligence is generally defined as the ability to complete a task or achieve a goal in an uncertain environment. Hence, some characteristics of intelligence include adaptability, capability of self-optimization based upon some goal or goals, ability for performing self-diagnostics and self-maintenance and the ability to learn and reason. Currently there are many systems which can play chess, perform character/image recognition, have decision-making capabilities and do control/compensation. These systems may be characterized as having some form of intelligence. The idea of intelligence has been applied to robotics and automation to enhance the applicability to a variety of problems.

Some systems try to mimic human intelligence (e.g., understand speech or recognize handwriting). New technologies have advanced the field of artificial intelligence including faster computational power, new algorithms based upon cognitive science, better sensors and smaller devices requiring less power. The field of intelligent systems has also advanced because of the integration of several disciplines in neuro-computing, evolutionary computing, probabilistic algorithms, fuzzy, neural architectures and machine learning techniques. Research progressed from simple symbolic manipulation to information fusion, syntactic ontologies, smart multi-agents, information re-use and embedded intelligent systems.

In the proposed sessions on *Intelligent Systems*, we will examine the notion of intelligence and associated applications from several disciplines including computer science and control systems.

**Scope**

We solicit papers on theoretical issues and their applications related to Soft Computing Methods. Suggested topics include but are not limited to Theory and Software/Hardware Implementations of soft-computing techniques such as

Neural Nets,  
Fuzzy Systems,  
Fuzzy-Neural Systems,  
Evolutionary Systems,  
Genetic Algorithm  
and all kinds of R&D, industrial, medical or financial applications of these methods.

**Important Dates:**

Submission of full papers until	August 1, 2006
Author notification:	September 30, 2006
Camera-ready manuscripts and deposit payments due:	October 15, 2006
Conference:	December 5, 2006

**Session Contact:**

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For more Information, Please check the conference website at: <http://www.jiccse.org.io>

Yours Cordially,  
Dr. H.H. Tadjine  
Session chair