

International Workshop on
Intelligent e-Learning Systems, IeLSs
12th December 2012

In the fram of
The First International Conference for Computing & Informatics, icci 2012
11-13 December 2012 - Helwan, Cairo, Egtpt
www.icciegypt.com

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Intelligent e-Learning systems (IeLSs) are intelligent systems that imitates the human mind. The developing of these systems is based on many disciplines, e.g., machine learning, knowledge engineering, artificial intelligence, virtual reality, cybernetics, cognitive science, neurosciences, computer science, psychology, mathematics, biology, linguistics and engineering. The main characteristics of these systems are the ability of inference, reasoning, perception, learning, and knowledge-based systems. Artificial intelligence (AI) techniques give IeLS added computing capability, allowing them to exhibit more intelligent behavior. On the other side, the convergence of artificial intelligence, machine learning ,educational technology and web science is enabling the creation of web-based intelligent e-learning systems. Such systems will provide a unique opportunity to distribute learning/education /training across multiple sites while dramatically reducing travel related costs.

The objective of this workshop is to bring together scientists engaged in Education, Web Technology, and Artificial Intelligence. It will provide a forum for identifying important contributions and opportunities for recent research on the different intelligent methodologies and techniques for developing intelligent e-Learning systems.

Topics of interest of the workshop includes (but not limited to) the followings:

- Algorithmic Thinking
- Computational Thinking
- Artificial Intelligence, and Web-based Tutoring Systems
- Semantic web, Social Software and Wikis for Knowledge Management
- Graph Theory and Combinatorial Optimization.
- Software Engineering in Intelligent Educational Systems Design
- Mobile Learning Technologies
- Educational Portals
- Knowledge Representation Techniques for e-Learning
- Reasoning Techniques
- Data mining and Knowledge Discovery in e-learning
- Case-Based Reasoning Approach in e-Learning
- Ontological Engineering in e-Learning
- Virtual Learning Environment

Program Committee

- **Mohamed A. Belal** , Faculty of Computers and Information ,Helwan University,Cairo,**Egypt**
- **Arzu Baloglu**, Faculty of Engineering, Computer Engineering, Marmara University, **Turkey**
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- **P.RAJENDRAN ME**, KNOWLEDGE INSTITUTE OF TECHNOLOGY,TAMILNADU, **INDIA**
- **Ali Aldahoud**, Computer Science Department, Alzaytoonah University, **Jordan**
- **Mohamed Osama Khozium**, Umm Al-qura University, Makkah, **Saudi Arabia**

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Session Format: The workshop is planned to include: **Invited talks**, **Technical papers** and **Application papers**.

Submission of papers: The submitted full papers, Max. 6 pages following conf. [Paper Format](http://www.icciegypt.com/format.html), <http://www.icciegypt.com/format.html> will go through a “blind” review process with at least two reviewers. Submissions should be directly to the session chair via e-mail: abmsalem@yahoo.com asalem@eun.eg Until the **21 of October**. [All Participants must be registered](#)

Download the call for paper