



# 1st IIAI International Conference on Learning Technologies and Learning Environments

Kyushu University, Fukuoka, Japan, Sep. 20-22, 2012



The IIAI International Conference on Learning Technologies and Learning Environments (IIAI-LTLE2012) focuses on computer applications and technologies in education which includes practice, technology and theory. Since ancient times, research in education has never been discontinued. In particular, with the emergence of computer technologies which evolve very quickly, so has the changes in the research of education (e.g. theory and practice which go with these evolving technologies).

In the field of Computer based Education, personal computers were first used to support education for individual learners in the 1980s, WWW technologies were first used to support e-learners in the 1990s, and mobile devices and wireless technologies were first used to support education for mobile learners in the 2000s. The changes in the way that learners carry out their studies (e.g. e-learning or mobile learning) were a result of the development of such computer technologies. As with every age, there is a corresponding emergence of the educational applications and theories, which accompany such computer technological advancements.

The aim of this conference is to provide a worldwide forum, where the international participants can share their research knowledge and ideas on the recent and latest research on LTLE and map out the directions for future researchers and collaborations. Researchers and graduate students are welcomed to participate in the conference to exchange research findings in the frontier areas of Computers in Education.

We welcome contributions, which will help advance visions, practices, technologies, research and theories to be much better support learning and educational purposes. The scope of IIAI-LTLE 2012 will cover but not be limited to:

- Artificial Intelligence in Education/Intelligent Tutoring System (AIED/ITS) and Adaptive Learning
- Classroom, Ubiquitous and Mobile Technologies Enhanced Learning (CUMTEL)
- Computer-supported Collaborative Learning (CSCL) and Learning Sciences
- Development and applications of digital content for e-learning
- Discipline-based cases for e-learning
- e-Learning Accessibility (EA)
- Emerging tools and technologies for e-learning
- Game and Toy Enhanced Learning and Society (GTEL&S)
- Information Society & Culture (ISC)
- Innovative Design of Learning Software (IDOLS)
- Joyful Learning & Society (JL&S)
- Learning and Knowledge Management
- Social computing in e-learning
- Technology Enhanced Language Learning (TELL)
- Technology Enhanced Science Learning (TESL)
- Technology Facilitated Testing and Assessment (TFTA)
- Theoretical foundations for e-learning
- Trends in content/courseware development
- New generations of educational technologies

- Data mining, text mining, and web mining
- Web 2.0 and social computing for learning
- Personalized educational and learning systems
- Learning systems platforms and architectures
- Advanced applications
- E-learning, knowledge management and their organizational management

All the accepted and presented papers in the LTLE would be published in the conference proceedings by IEEE and/or Springer, and will be indexed by IEEE Xplore and Ei Compendex. Selected papers will be invited to submit their revised/enhanced version to **International Journal of Distance Education Technologies (IJDET)** or some other international journals and books.

### **Important Dates**

Submission Deadline: March 31, 2012  
 Acceptance Notification: May 31, 2012  
 Final Version: June 20, 2012  
 Conference Date: September 20-22, 2012

### **Submissions types:**

Full Papers: 5 pages  
 Short Papers: 3 pages

### **General Chairs**

Gwo-Jen Hwang, National Taiwan University of Science and Technology, Taiwan  
 Hiroaki Ogata, the University of Tokushima, Japan

### **Organizing Chairs**

Akihiro Kashihara, The University of Electro-Communications, Japan  
 Oscar Fuhua Lin, Athabasca University, Canada

### **Advisor**

Naomi Fujimura, Kyushu University, Japan

### **Local Chairs**

Yoshiyuki Tabata, Kyushu University, Japan  
 Hitoshi Inoue, Kyushu University, Japan

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 Chengjiu Yin, Kyushu University, Japan  
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Yusuke Morita, Waseda University, Japan

**Contact Information**  
iiacate@gmail.com