

**INTERNATIONAL CONFERENCE  
On  
EDUCATION INFORMATICS**

**(EduMatics-2010)**

**May 22, 2010**

**ADVANCE INFORMATION**

**INTRODUCTION**

The new millennium has ushered into dramatic technologic revolution with technology, internet and computers impacting every walk of life. How can education remain isolated from this technology wave? Today's kindergarteners will retire in the 2060's. We have no idea how the world will look like after 10 years- not to speak of 60 years. Our students are facing many emerging issues, such as globalization of economy, global warming, population explosion, information explosion, poverty, growing digital divide etc. The key to such issues lies in management and harnessing of knowledge explosion associated with technology revolution. This is possible through a paradigm shift in our conventional education system. Knowledge has become synonymous with power and prosperity. The demand on today's education is creation and application of knowledge – not merely acquisition of knowledge.

Education (cultivation of knowledge) and Informatics (capturing, storing, retrieving, interpreting and utilizing information and data) are different, yet highly related notions. They have common means to achieve their objectives as in the case of teaching, learning, e-learning, m-learning (mobile learning), virtual class rooms and virtual universities. The students of today are digital learners - they literally take in the world through the filters of computing devices: cell phones, handheld games / devices, PDA's, lap tops / computers etc. The concept of school will change from physical building to centers with transparent and porous walls connecting students and teachers cutting across geographical and time barriers. The teacher's primary role will be not merely that of a dispenser of information, but an orchestrator of learning.

Added to this, in the Indian context, is the problem of abysmally low higher education enrolment ratio. Government's plan to raise this ratio from 12 % at present to 30 % by 2020 is a Herculean task and will need an "out of the box" approach.

Engendering the spirit of creativity in the field of education and to move with the times, Chitkara Institute of Engineering and Technology, Rajpura (Punjab) and Indu-US Collaboration for Engineering Education (IUCEE) are organizing an International Conference on Education Informatics – EduMatics-2010 on 22 May, 2010.

## **OBJECTIVE**

The objective of the Conference is to bring together educationists, academicians, scientists, technologists, engineers, research scholars and government agencies on a common platform to take stock of the changing requirements of the education system and trend towards integration of technology with education through exchange of their ideas and experiences. This will help in devising suitable strategies for making our education system more responsive to the present and future challenges and making our students globally competitive.

## **CONFERENCE TOPICS**

The Conference will cover (but will not be limited to) the following topics:

### **EDUCATION MODELS**

- Distance Learning
- Use of IT Tools and Environments in Education Models
- New Strategies for Higher Education
- Intelligent Systems based Training Technology
- Second Language Education
- Collaborative and Group Learning Methods
- Networked Learning Communities
- Analysis and Modeling of Group Interactions
- Design of Learning Process Models

### **e-EDUCATION**

- Asynchronous Learning
- Virtual Student Laboratories
- Virtual Classrooms and Virtual Universities

- Network Based Education and Training
- Online Courses
- www as Education Tool
- Blogs and their Impact on Education
- e-Learning and Knowledge Management Systems
- Organizational e-Learning Strategies
- Blended e-Learning, Instructional Design
- Quality Management of e-Learning
- Grid-Based Distributed Learning and Resources Environment
- Technology Standards for e-Learning
- Web Mining for Higher Education
- e-Commerce in Education
- Learning Management Systems
- Online Examination Rubrics

### **MANAGEMENT OF EDUCATION**

- Blended Learning
- Interactive Learning Modules
- Multimedia Tutorials
- Role of Information Society
- Quality Management in Higher Education Systems
- Evaluating of Teaching and Learning Technologies
- Document Management for Learning
- Tasks and Problem Solving Processes
- Innovation/ Impact/ Image of Informatics
- Systems Modeling and Simulation
- Technology and Knowledge Management

### **IMPORTANT DATES**

<b>Last Date for Paper submission:</b>	30 <sup>th</sup> January, 2010
<b>Acceptance Notification:</b>	27 <sup>th</sup> February, 2010
<b>Submission of Camera Ready Papers and Registration:</b>	20 <sup>th</sup> March, 2010

## CONFERENCE VENUE

CII Auditorium  
Confederation of Indian Industry  
Sector 31-A, Chandigarh-160 030, INDIA

## REGISTRATION FEE

Students and Research Scholars	Rs. 750/-
Institutional Participants/Faculty Members	Rs. 1500/-
Participants from Industry	Rs. 2000/-
Overseas Participants	US \$ 100

## SUBMISSION OF PAPERS

Papers in word format (.doc) must be submitted electronically to [edumatics@chitkara.edu.in](mailto:edumatics@chitkara.edu.in) by the dates mentioned above. In order for the Paper to be included in the Proceedings, at least one of the authors **must** register for the Conference and present the Paper. **Only Overseas** participants will have the option to present their Papers through **Webinar**.

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**Detailed Brochure will follow soon.**

