2011 IEEE Global Engineering Education Conference (EDUCON)

04-06 April 2011—Princess Sumaya University for Technology in Amman, Jordan

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IEEE EDUCON

EDUCON2011 AMMAN

IEEE Engineering Education 2011:

„Learning Environments and Ecosystems in Engineering Education“

Organizers

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Annual Global Engineering Education Conference
Sponsored by the IEEE Education Society

The annual IEEE EDUCON conferences will be held during the last two weeks in March or the first two weeks in April.

The IEEE EDUCON conference will provide a forum for academic, research and industrial collaboration on global engineering education. The IEEE Education Society's fields of interest will guide the program committee and the Call for Papers.
All accepted peer-reviewed papers will be published in the conference proceedings and will also be available in the IEEE Xplore Digital Library.

Call for Papers
IEEE Global Engineering Education Conference
"Learning Environments and Ecosystems in Engineering Education"
EDUCON2011
Princess Sumaya University for Technology
Amman, Jordan
4-6 April 2011
www.educon-conference.org

The IEEE Global Engineering Education Conference is the second of a series of conferences that will rotate among central locations in IEEE Region 8, Europe, Middle East and North Africa. The theme of this second EDUCON2011 conference will be "Learning Environments and Ecosystems in Engineering Education". It will be hosted by Princess Sumaya University for Technology, Jordan in the period 4-6 April 2011.

Main Conference Topics

Area 1: Educational Methods and Learning Mechanisms in Engineering Education

Rethinking Pedagogy in Engineering Education ● E-Assessment and new Assessment Theories and Methodologies ● Active Learning ● Learning Models ● Pedagogies ● Lifelong Learning and Non-traditional Students ● E-learning in the Workplace ● K-12 Initiatives and Partnerships ● Study Abroad Programs ● Attracting and retaining practices in Engineering Education ● Technology Enhanced Learning for students with special needs ● Accessibility in On-Line and Technology Enhanced Learning ● Gender and Cultural Issues in Engineering Education

Area 2 : Learning in Transition and Engineering Education Ecosystems

Educational Ecosystems ● Adaptive and Personalized Technology-Enhanced Learning ● Collaborative and Social Technologies ● Ambient Intelligence and Smart Environments for Learning ● Affective and Pervasive Computing for Learning

Area 3: Infrastructure and Technologies for Engineering Education

Learning Systems Platforms and Architectures ● Intelligent Learning Systems ● Computer Supported Collaborative Learning ● Open Source, Open Standards, and Federated Systems ● Standardization, Reusability and Interoperability Issues ● Learning Objects reusability and digital repositories ● Experiences in OpenCourseWare Engineering Education ● Computer and Web based Software ● Uses of Technology in the Classroom ● Semantic Web and Ontologies for Learning Systems ● Web 2.0 and Social Computing for Learning and Knowledge Sharing ● Data Mining and Web Mining in Education ● Synchronous and Asynchronous Technologies ● Wireless, Mobile and Ubiquitous Technologies for Learning ● Standardization, Reusability and Interoperability Issues

Area 4: Innovative Materials, Teaching and Learning Experiences in Engineering Education

Laboratory Experiences: on-site and remote environments ● Undergraduate Research Experiences Design Experiences ● Innovative Engineering Courses and Labs ● Digital Game and Intelligent Toy Enhanced Learning ● Human-Centered Web Science and its Applications to Technology-enhanced Learning ● E-Assessment ● Virtual Worlds for Academic, Organizational, Life-long Learning and training ● Innovative Competitions and Laboratories

Area 5: Excellence in Engineering Education

Models of Excellence in Education ● Attracting, Engaging and Retaining Human Talent to Engineering ● Gifted Education ● Competencies, Individual Differences, Intervention and Development ● Building Creative Climates

Area 6: Knowledge and Competencies in Engineering Education

Knowledge and Competencies Management ● Accreditation Issues ● Assessment and Feedback Degree Programs and Curricula ● First Year Courses and Programs ● General Issues in Engineering Education ● Specific Engineering Disciplines ● Faculty Development ● Globalization: Preparing Faculty and Students ● Graduate Curricula and Programs ● New Frameworks for Engineering Education ● Skills Development: Technical Writing, Presentation, Teamwork

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Important Dates

01 October 2010	Abstract Submission
18 October 2010	Notification of Acceptance
27 November 2010	Full paper Submission
17 December 2010	Notification of Acceptance
21 January 2011	Author Registration
30 January 2011	EDUCON2011 Program Ready
05 February 2011	Final Paper Due

Table of Contents

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