RECENT ADVANCES in E-ACTIVITIES

Proceedings of the 7th WSEAS International Conference on E-ACTIVITIES (E-Learning, E-Communities, E-Commerce, E-Management, E-Marketing, E-Governance, Tele-Working) (E-ACTIVITIES '08)

Cairo, Egypt, December 29-31, 2008

Electrical and Computer Engineering Series
A Series of Reference Books and Textbooks

ISSN: 1790-5117

Published by WSEAS Press
www.wseas.org
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All papers of the present volume were peer reviewed by two independent reviewers. Acceptance was granted when both reviewers' recommendations were positive.
See also: http://www.worldses.org/review/index.html

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Preface

This book contains most of the papers presented at the conference on E-ACTIVITIES (E-ACTIVITIES '08) held in Cairo, Egypt, December 29-31, 2008.

The conference provides a platform to discuss the theory and applications of E-ACTIVITIES (E-Learning, E-Communities, E-Commerce, E-Management, E-Marketing, E-Governance, Tele-Working).

In the last few years the focus has been on topics such as virtual teachers, virtual (e-) classrooms, virtual (e-) schools, virtual communities, information interfaces, communication of groups, business process reengineering, e-goverment, human resources via internet etc.

This important 3 days multiconference offered to the colleagues 2 banquets (60 different courses -self-service buffet-, live music and live dances with more than 30 dancers and 18 folklore appearances) and one great excursion, (WSEAS offered free buses for the conference excursions and the English speaking tour guide for free. Dec, 31, 2008: Tour in Cairo (Pyramids of Giza, Sun Boat, Sphinx, Papyrus museum, Bazaar), Memphis and Sakkara (Stepped pyramid of Sakkara, Tomps of Nobles, Tomps of ministers, Memphis museum, TiTi pyramyd). The 2 banquets were superb and they included oriental dance in 18 different appearances: http://www.wseas.us/reports/2008/cairo/index.html as well as Sofi dance and many Egyptian singers.

After the excursion of 31/12/2008, we continued with the Session/Symposium: E-Learning with 18 important papers. The International Scientific Committee met during the Conference in a Cairo restaurant well known for the standards of its cuisine and its friendly atmosphere.

Ways to improve the Conference were discussed over dinner: in particular the topics were revised and new ones were suggested. In addition, a few nominations for new committee members were proposed. Following the meeting, the decision was taken to relocate the Conference, and a few locations were suggested.

The WSEAS Conference Division will investigate these so that the dates and location of 2010 are finalized as soon as possible.

Each paper was reviewed at least by 3 independent reviewers. The WSEAS Secretariat sent each paper to 5 reviewers. Some papers received reviews from 5 different referees. The WSEAS Secretariat forwarded these comments by personalized emails to the responsible for the correspondence author. The full list of the reviewers will be available in the web page: http://www.worldses.org/reviewers.htm

The best papers of this multiconference are available now


We thank you for your feedback about the WSEAS Conferences:

http://www.worldses.org/feedback.htm

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Plenary Lecture 1

Virtual or Reality? Does Educational Robots Really Be Useful?

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Abstract: Currently, the robot technology becomes mature. There are many robots could be used for teaching and learning in the world. In this talk, we will talk about researches of robots in education and applications of educational robots and puppets. Moreover, this talk will give audience a future education vision about combining the benefits of both information communication technologies (ICT) and reality companions. Also, this talk will reveal many research issues of deploying robots for educational purpose.

Brief Biography of the Speaker: Maiga Chang is Assistant Professor in the School of Computing Information and Systems, Athabasca University (AU), Athabasca, Alberta, Canada. He is the local chair of the 2nd IEEE Digital Game and Intelligent Toy Enhanced Learning (DIGITEL 2008) and the general co-chair of the 4th International Conference on e-Learning and Games (Edutainment 2009). He serves several peer-reviewed journals, including AU Press and Springer's Transaction on Edutainment, as editorial board members. He has participated in 67 international conferences/ workshops as a Program Committee Member and has (co-)authored more than 91 book chapters, journal and international conference papers. He has been a member of the International Who's Who of Professionals since 2000. In September 2004, he received the 2004 Young Researcher Award in Advanced Learning Technologies from the IEEE Technical Committee on Learning Technology (IEEE TCLT). He is a valued IEEE member for twelve years and also a member of ACM, AAAI, INNS, and Phi Tau Phi Scholastic Honor Society. His researches mainly focus on mobile learning and ubiquitous learning, museum e-learning, game-based learning, educational robots, learning behavior analysis, and data mining in e-learning.
Plenary Lecture 2

Web-based Collaborative Interior Design and Furniture e-commerce

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Abstract: Virtual reality technology is applied to Web-based interior design. Some special features can thus be easily implemented. For example, the top, front, side, and perspective views of a 3D interior design can be shown simultaneously. The four views can change to reflect movement of the user in a room. Users can collaborate to complete a design. On the other hand, one can act as a teacher and the others are students of interior design. Furthermore, a furniture company can use the interior design application to showcase and sell its products.

Brief Biography of the Speaker: Yen-Chun Lin received his BS degree in electrical engineering from National Taiwan University in 1977, MS degree in computer engineering from National Chiao Tung University in 1983, and PhD degree in electrical engineering from National Taiwan University in 1988. Since 1988 he has been on the faculty at National Taiwan University of Science and Technology. Dr. Lin has been a full professor since February 1993, in Department of Electronic Engineering before August 2001 and then in Department of Computer Science and Information Engineering. He served as Program Chair of the 2001 International Conference on Parallel and Distributed Computing, Applications, and Technologies and as Guest Editor of The Journal of Supercomputing, March 2003. Dr. Lin received Honorable Mention of Annual Best Paper Award of Journal of Information Science and Engineering in 2001. He was a Visiting Scientist at the IBM Almaden Research Center, San Jose, California, from 1993 to 1994. His research interests include parallel computing and Web-based applications. Dr. Lin is a member of the ACM and the IEEE Computer Society.