Methods and Applications for Advancing Distance Education Technologies: International Issues and Solutions

Edited by: Mahbubur Syed, Minnesota State University, USA

434 pages; 2009 Copyright
Price: US $195.00 (hardcover*)
Perpetual Access: US $295.00
Print + Perpetual Access: US $390.00
Illustrations: figures, tables (8 1/2” x 11”)
Translation Rights: World
*Paperback is not available.

The emerging field of advanced distance education delivers academic courses across time and distance, allowing educators and students to participate in a convenient learning method.

Methods and Applications for Advancing Distance Education Technologies: International Issues and Solutions demonstrates communication technologies, intelligent technologies, and quality educational pedagogy as the most essential requirements for advancing distance education for both teaching and learning. A significant research collection for the advancement of distance learning initiatives, this Premier Reference Source assists academicians, practitioners, and researchers in finding answers to important issues needing addressed for a successful distance education.

Subject:
IT Education; Social Computing; Mobile/Wireless Computing; Networking/Telecommunication; Web Technologies; Electronic Business

Market:
This essential publication is for all academic and research libraries, as well as all those involved in creating quality and flexibility in distance education. Researchers, educators, practitioners, students, and the global learning community interested in programs designed to meet the educational goals of a diverse set of learners will also benefit from this comprehensive reference publication.

Excellent addition to your library! Recommend to your acquisitions librarian.

www.info-sci-ref.com
Methods and Applications for Advanced Distance Education Technologies: International Issues and Solutions

Edited by: Mahbubur Syed, Minnesota State University, USA

Table of Contents

Chapter I: Automatic Digital Content Generation System for Real-Time Distance Lectures
Masami Iwatsuki, Hosei University, Japan
Norio Takeuchi, Hosei University, Japan
Hisato Kobayashi, Hosei University, Japan
Kazuhiro Yana, Hosei University, Japan
Kazuhisa Yoshida, Hosei University, Japan
Hirotoshi Takeda, Hosei University, Japan
Hirotoshi Yaginuma, Hosei University, Japan
Akira Tokuyasu, Hosei University, Japan

Filomena Ferrucci, Dipartimento di Matematica e Informatica, Italy
Giuseppe Scanniello, Dipartimento di Matematica e Informatica, Italy
Genoveffa Tortora, Dipartimento di Matematica e Informatica, Italy

Chapter III: An Efficient and Effective Approach to Developing Engineering E-Training Courses
Judy C.R. Tseng, Chung Hua University, Taiwan
Wen-Ling Tsai, Chung Hua University, Taiwan
Gwo-Jen Hwang, National University of Tainan, Taiwan
Po-Han Wu, National University of Tainan, Taiwan

Chapter IV: A SCORM Compliant Courseware Authoring Tool for Supporting Pervasive Learning
Te-Hua Wang, Tamkang University, China
Florence Chi-Chang, Tamkang University, China

Chapter V: An Ontology-Based E-Learning Scenario
Wen Ying Guo, Zhejiang Gongshang University, China

Chapter VI: Adaptive Synchronization of Semantically Compressed Instructional Videos for Collaborative Distance Learning
Dan Phung, Columbus University, USA
Giuseppe Valette, Columbus University, USA
Gail E. Kaiser, IBM T.J. Watson Research Center, USA
Tiecheng Liu, University of South Carolina, USA

Chapter VII: Refining the Results of Automatic E-Textbook Construction by Clustering
Yueting Zhuang, Zhejiang University, China
Kong Qiu, Zhejiang University, China

Chapter VIII: Chinese Brush Calligraphy Character Retrieval and Learning
Yueting Zhuang, Zhejiang University, China
Xiaofan Zhang, Zhejiang University, China
Weining Lu, Zhejiang University, China
Fei Wu, Zhejiang University, China

Chapter IX: Grounding Collaborative Learning in Semantics-Based Critiquing
William K. Cheung, Hong Kong Baptist University, Hong Kong
Anders I. March, University of Oslo, Norway
Kelvin C. Wong, Hong Kong Baptist University, Hong Kong
Cynthia Lee, Hong Kong Baptist University, Hong Kong
Jinming Liu, Hong Kong Baptist University, Hong Kong

Chapter X: Improving The Usefulness Of Learning Objects By Means Of Pedagogy-Oriented Design
Giuliana Dettori, ITD-CNR, Italy
Paola Forcheri, IMATI-CNR, Italy
Maria Grazia Ierardi, IMATI-CNR, Italy

Chapter XI: Adaptive Animation of Human Motion for E-Learning Applications
Frederick W.B. Li, University of Durham, UK
Rynson W.H. Lau, University of Durham, UK
Taku Komura, University of Edinburgh, UK
Meng Wang, University of Durham, UK
Becky Sia, University of Hong Kong, Hong Kong

Chapter XII: eWorkbook: an Online Testing System with Test Visualization Functionalities
Vittorio Facelli, Università degli Studi di Salerno, Italy

Chapter XIII: An Efficient and Effective Approach to Developing Engineering E-Training Courses
Judy C.R. Tseng, Chung Hua University, Taiwan
Wen-Ling Tsai, Chung Hua University, Taiwan
Gwo-Jen Hwang, National University of Tainan, Taiwan
Po-Han Wu, National University of Tainan, Taiwan

Chapter XIV: Enhancing the IMS QTI to Better Support Computer Assisted Marking
Damien Clark, Central Queensland University, Australia

Chapter XV: Streaming of Continuous Media for Distance Education Systems
Ali Dashi, Kuwait University, Kuwait
Maytham Safar, Kuwait University, Kuwait

Chapter XVI: How Did They Study at a Distance?
Distance Education Systems
Damien Clark, Central Queensland University, Australia

Chapter XVII: Rationale, Design and Implementation of a Computer Vision-Based Interactive E-Learning System
Richard Y. D. Xu, Charles Sturt University, Australia
Terry Anderson, Athabasca University, Canada

Chapter XVIII: An eLearning Portal to Teach Geographical Information Sciences
Chi-Syan Lin, National University of Tainan, Taiwan
C. Candace Chou, University of St. Thomas
Ming-Shiou Kuo, National University of Tainan, Taiwan

Chapter XIX: A Changed Economy with Unchanged Universities? A Contribution to the University of the Future
Maria Manuela Cunha, Polytechnic Institute of Cavado and Ave, Portugal
Goran D. Patulnik, University of Minho, Portugal

Chapter XX: Development of a Web-Based System for Diagnosing Student Learning Problems on English Tenses
Gwo-Jen Hwang, National University of Tainan, Taiwan
Hsiang Cheng, National University of Tainan, Taiwan
Carol H.C. Chu, National University of Tainan, Taiwan
Judith C.R. Tseng, Chung-Hua University, Taiwan

Chapter XXI: Supporting Learners' Appropriation of a Web-Based Learning Curriculum
Dorothee Rasseneur-Coffinet, LIUM - Université du Mans, France
Georgina Sawyer, University of Puerto Rico, USA
Pierre Teoumioukine, LIUM - Université du Mans, France

Chapter XXII: A Changed Economy with Unchanged Universities? A Contribution to the University of the Future
Garth Bruland, University of Hawai’i at Mānoa, USA
B. Hoover, University of Florida, USA
S. Grunwald, University of Florida, USA

Chapter XXIII: Inherited Virtual Learning Worlds and Impacts on Learning Behaviors in Young School Learners
Chi-Syan Lin, National University of Tainan, Taiwan
C. Candace Chou, University of St. Thomas
Ming-Shiou Kuo, National University of Tainan, Taiwan

Chapter XXIV: Research and Practice of E-Learning in Canada 2008
Rory McGreal, Athabasca University, Canada

About the Editor

Mahbubur Rahman Syed is currently a professor of information systems and technology at Minnesota State University (Mankato, USA). He has about 25 years of experience in teaching, in industry, in research, and in academic leadership in the fields of computer science, engineering, information technology and systems. Earlier he worked in the Electrical and Computer Engineering Department at the North Dakota State University (USA) in the School of Computing and Information Technology, Monash University (Australia), in the Department of Computer Science and Engineering in Bangladesh University of Engineering and Technology (Bangladesh), and Ganz Electric Works (Hungary). He was a founding member of the Department of Computer Science and Engineering at BUET and served as Head of the Department during 1986-1992. He served as the General Secretary of Bangladesh Computer Society and also as the General Secretary of BUET Teacher’s Association. He received the UNESCO/ROSTSCA’89 award for South and Central Asia region in the field of informatics and computer applications in scientific research. He won several other awards. He has co-edited several books in the area of e-commerce, software agents, multimedia systems, and networking. He guest edited the 2001 fall issue of IEEE Multimedia. He has more than 100 papers published in journals and conference proceedings. He has been serving in different roles such as co-editor-in-chief, associate editor, editorial review committee, member of several international journals. Dr. Syed has been involved in international professional activities including organizing conferences and serving as conference and program committee chair.

Excellent addition to your library! Recommend to your acquisitions librarian.
www.info-sci-ref.com