ICWL 2008 and Workshop
The 7th International Conference on Web-based Learning
Final Program

Session 1: Adaptation of e-Learning Technologies and Policies

On Properly Using Technologies to Make E-Learning Effective
Won Kim, Sungkyunkwan University, South Korea
Ok-Ran Jeong, Sungkyunkwan University, South Korea
Richness versus Parsimony Antecedents of Technology Adoption Model for e-Learning Websites
Hsiu-Li Liao, National Taiwan University of Science and Technology, Taiwan
Hsi-Peng Lu, National Taiwan University of Science and Technology, Taiwan
Exploring a Computer-assisted Managing System with Competence Indicators in Taiwan
Yen-Shou Lai, National Chung Cheng University, Taiwan
Hung-Hsu Tsai, National Formosa University, Taiwan
Yuan-Hou Chang, National Chung Cheng University, Taiwan
Pao-Ta Yu1, National Chung Cheng University, Taiwan
e-Learning Issues under an Affective Perspective
Makis Leontidis, University of Athens, Greece
Recommendation in Education Portal by Relation based Importance Ranking
Xin Wang, Tsinghua University, China
Fang Yuan, Tsinghua University, China
Li Qi, Tsinghua University, China

Session 2: Learning Resource Management

Multiple Standards Compatible Learning Resource Management
Li Zheng, Tsinghua University,   China
Yintao Liu, Tsinghua University, China
Xinyu Zhang, Tsinghua University, China
Research on Learning Resources Organization Model
Qingtang Liu, Huazhong Normal University, China
Zhimei Sun, Huazhong Normal University, China
Web Contents Extracting for Web-Based Learning
Jiangtao Qiu, Sichuan University, China
Changjie Tang, Sichuan University, China
Chuan Li, Sichuan University, China
Qian Luo, Sichuan University, China
Jun Zhu, National Center for Birth Defects Monitoring, China
ERDRM: A Digital Rights Management System Model for Educational Resources
Shujuan Wang, Huazhong Normal University, China
Qingtang Liu, Huazhong Normal University, China
Course Material Research Based on Perti Net

Kun Xiao, Wuhan University, China
Shihong Chen, Wuhan University, China
Xi Chen, Wuhan University, China

Session 3: e-Learning Experiences

The Practice and Experience Sharing of Three-Year Peer Coaching Program
Ya-Ting C. Yang, National Cheng Kung University, Taiwan
Wu, W.-C., National Cheng Kung University, Taiwan
Chung, P.-Y., National Cheng Kung University, Taiwan
Laih, C.-S., National Cheng Kung University, Taiwan
Wen, J.-R., Shu-Te University, Taiwan
Lin, C.-S., National University of Tainan, Taiwan

eKnowledge in Education: UNITE - a European-wide Network of Schools
Andrina Granic, Fraunhofer Institute for Computer Graphics, Germany
Andrina Granić, University of Split, Split, Croatia
Maja Ćukušić, University of Split, Split, Croatia
Kawa Nazemi, Fraunhofer Institute for Computer Graphics, Germany

The Research on the Case Learning Activity Sustained by a Web-based Case Assisted Study Environment
Xinyu Zhang, Tsinghua University, China
Dongxin Jiang, Tsinghua University, China
Yi Dou, China Agricultural University, China.

Teaching Complexity Judgement for Education Resource
Kun Xiao, Wuhan University, China
Shihong Chen, Wuhan University, China
Jian Xiao, Maoming University, China

An Artificial Intelligence Course Used to Investigate Students Learning Style
Elvira Popescu, University of Craiova, Romania

Session 4: Assessment and its Supporting Systems

E-portfolios Enhancing Peer-Assessment in Web-based Learning
Youmei Wang,   Wenzhou University, China

Modeling Units of Assessment for Sharing Assessment Process Information: towards an Assessment Process Specification
Yongwu Miao, Open University of The Netherlands, Netherlands
Peter Sloep, Open University of The Netherlands, Netherlands
Rob Koper, Open University of The Netherlands, Netherlands

A Method to Find Learner's Key Characteristic in Wed-based Learning
Xiyuan Wu, Xi'an, Jiaotong University, China
Qinghua Zheng, Jiaotong University, China
Haifei Li, Union University, USA
Guangdong Liu, Jiaotong University, China

Computer-Aided Generation of Item Banks Based on Ontology and Bloom's Taxonomy
Ming-Hsiung Ying, Chung-Hua University, Tauwan
Heng-Li Yang, National Cheng-Chi University,   Taiwan

Motivating Students through On-line Competition: an Analysis of Satisfaction and Learning Styles

Luisa Regueras, University of Valladolid, Spain
Elena Verdú, University of Valladolid, Spain
María J. Verdú, University of Valladolid, Spain
María Á. Pérez, University of Valladolid, Spain
Juan P. de Castro, University of Valladolid, Spain
María F. Muñoz, Hospital Clínico Universitario, Spain

Session 5: Tools and Experiences for Learning C Programming Language

Collaborative Learning Tool applying to C Programming Language

Wen-Chih Chang, Chung Hua University, Taiwan
Wai-Tak Wong, Syncsort Company, USA
Kuen-Chi Chen, Chung Hua University, Taiwan

Design and Implementation of an Internet-Based Platform for C Language Learning

Jianxin Wang, Central South University,　China
Weiwei Zhou, Central South University,　China
Ling Chen, Central South University, China

Virtual Education System for the C Programming Language

Kwansun Choi,　Soonchunhyang University, South Korea
Ilhyun Moon, Soonchunhyang University, South Korea
SeaRon Han, Soonchunhyang University, South Korea
ChangWan Jeon, Soonchunhyang University, South Korea
Dongsik Kim, Soonchunhyang University, South Korea
Sunheum Lee, Soonchunhyang University, South Korea

Development of Contents Improving the Effectiveness of Self Learning, for the C Program Language

KwanSun Choi, SoonChunHyang University, South Korea
Ilhyun Moon, SoonChunHyang University, South Korea
SaeRon Han, SoonChunHyang University, South Korea
DongSik Kim, SoonChunHyang University, South Korea
WanChang Jeon, SoonChunHyang University, South Korea
HeungGu Jeon, SoonChunHyang University, South Korea

Introductory C Programming Language Learning with Game-based Digital Learning

Wen-Chih Chang, Chung Hua University, Taiwan
Wai-Tak Wong, Syncsort Company, USA
Yu-Min Chou, Chung Hua University, Taiwan

Session 6: Game-Based Learning

Using Interactive Video Technology for the Development of Game-Based Learning

Han-Bin Chang, Tamkang University, Taiwan
Hui-Huang Hsu, Tamkang University, Taiwan
Louis R. Chao, Tamkang University, Taiwan

Developing the Historical Culture Course by using the Ubiquitous Game-Based Learning Environment

Chen Jui-Hung, Tamkang University, Taiwan

Te-Hua Wang, Chihlee Institute of Technology, Taiwan

Louis R. Chao, Tamkang University, Taiwan

From Story-Telling to Educational Gaming: The Bamiyan Valley Case

Marc Spaniol,   Aachen University, Germany

Yiwei Cao, Aachen University, Germany

Ralf Klamma, Aachen University, Germany

Pablo Moreno-Ger, Complutense University of Madrid, Spain

Baltasar Fernández-Manjón, Complutense University of Madrid, Spain

José Luis Sierra, Complutense University of Madrid, Spain

Georgios Toubekis, Aachen University, Germany

Three Layered Thinking Model for Designing Web-based Educational Games

Sheng-Chin Yu, Tung-Nan University, Taiwan

Fong-Ling Fu, National Cheng-chi University, Taiwan

Learning Kruskal's Algorithm, Prim's Algorithm and Dijkstra's Algorithm by Board Game

Wen-chih Chang, Chung Hua University, Taiwan

Yan-Da Chiu, Chung Hua University, Taiwan

Session 7: Frameworks and Platforms for e-Learning

A Virtual Laboratory Platform Based on Integration of Java and Matlab

Yu Sheng, Central South University, China

Weiping Wang, Central South University, China

Multi-agent Framework Support for Adaptive e-Learning

Liang Wanjie, Zhejiang Normal University, China

Zhao Jianmin, Zhejiang Normal University, China

Zhu Xinzhong, Zhejiang Normal University, China

The Design and Implementation of IT Importing Enterprise Campus System within the Campus-Enterprise Cooperation Framework

Xinyu Zhang, Tsinghua University, China

Yi Dou, China Agricultural University, China

Construction of Project-based Virtual Learning Community

Xiaoli Zheng, Wenzhou University, China

Feng Wang, Wenzhou University, China

Methodology for Supporting Design and Implementation of an e-Learning Platform in Grid Architecture

Tianding Chen, Zhejiang Gongshang University, China

Session 8: Multimedia Technologies for Learning

Constructing a Multi-monitor Displays System for Music Learning

Yen-Shou Lai, National Chung Cheng University, Taiwan

Yuan-Hou Chang, National Chung Cheng University, Taiwan

Pao-Ta Yu, National Chung Cheng University, Taiwan

Digital Content Development of Folklore Artifacts and Activities for Folklore Education

Yung-Fu Chen, China Medical University, Taiwan

Po-Chou Chan, China Medical University, Taiwan

Hsuan-Hung Lin, China Medical University, Taiwan

Yu-Ting Lin2, China Medical University, Taiwan

Yung-Fu Chen, China Medical University, Taiwan

Automated Chinese Handwriting Error Detection Using Attributed Relational Graph Matching

Howard Leung, City University of Hong Kong, Hong Kong

Zhihui Hu, City University of Hong Kong, Hong Kong

Yun Xu, City University of Hong Kong, Hong Kong

A New Chinese Speech Synthesis Method Apply in Chinese Poetry Learning

Chengsong Zhu, Nankai University, China

Yaoting ZHU, Nankai University, China

Session 9: On-line Discussion Forum and Community

Comparing the Impact of Two Different Designs for Online Discussion

Yuankun Yao, University of Central Missouri, USA

A Sociogram Analysis on Group Interaction in an Online Discussion Forum

Jianhua Zhao, South China Normal University, China

Another Dimension of Web-Based learning: Psychological Bestirring

Zhiwen Wang, Zhejiang Education Institute, China

Construct Teacher Community in E-learning System

Bin Li, Tsinghua University, China

Lieming Li, Tsinghua University, China

Fei Li, Tsinghua University, China

The Research of the Knowledge Building Ecosystem

Xinyu Zhang, Tsinghua University, China

Dongxin Jiang, Tsinghua University, China

Lianghao Dai, Beijing University of Posts and Telecommunications, China

Session 10: Collaborative Learning

Impact of Structural Factors on Online Collaborative Learning

Seung-hee Lee, Indiana University, USA

An Online Theme-based Collaborative Learning System

Yonggu Wang, Zhejiang University of Technology, China

The Design of Collaborative Virtual Learning Community and Learning Process Visualization

Suxian Lin, Zhejiang Normal University, China

WenAn Tan, Zhejiang Normal University, China

Yun Yang, Zhejiang Normal University, China

Xianhua Zhao, Zhejiang Normal University, China

Innovation of Cooperative Learning Via Virtual Classroom on Environment Problem

Nattapong Kaewboonma, King Mongkut's Institute of Technology, Thailand

Manat Boonprakob, Srinakharinwirot University, Thailand

Punnee Leekitchwatana, King Mongkut's Institute of Technology, Thailand

The Design of Web-Based Personal Collaborative Learning System (WBPCLS) for Computer Science Courses

Zhenlong Li, Taizhou University, China

Xiaoming Zhao, Zhejiang Industrial University, China

Session 11: Semantics and Ontology

An E-learning System Engineering Ontology Model on the Semantic Web for Integration and Communication
  Fujun Yang, Zhejiang Normal University, China
  WenAn Tan, Zhejiang Normal University, China
  Anqiong Tang, Zhejiang Normal University, China
  Suxian Lin, Zhejiang Normal University, China
  Xue Zhang, Zhejiang Normal University, China
A Semantic Grid Framework for E-Learning Data Sharing
  Wenya Tian, Zhejiang Economic and Trade Polytechnic, China
  Huajun Chen, Zhejiang University, China
  Yuxin Mao, Zhejiang University, China
Ontology-based Description of Learning Object
  Xiaodan Wang, Capital Normal University, China
  Fang Fang, Capital Normal University, China
  Lei Fan, Capital Normal University, China
A Web-based Tutoring System based on Learning Theory and Artificial Intelligence
  Chao-Fu Wei, Southwest University, China
  Jia-Ke LV, Southwest University, China
  Xuan WANG, Southwest University, China
  Xian-Chun Zou, Southwest University, China
A Proposal of An Intelligent Learning Environment Applied to Software Engineering
  Daniel Abella, University Center of João Pessoa, Brazil
  César Rocha Vasconcelos, University Center of João Pessoa, Brazil

Session 12: Interfaces for Learning Activity Designs

A Flow-oriented Visual Language for Learning Designs
  Iván Martínez-Ortiz, Complutense University of Madrid, Spain
  Pablo Moreno-Ger, Complutense University of Madrid, Spain
  José Luis Sierra-Rodríguez, Complutense University of Madrid, Spain
  Baltasar Fernández-Manjón, Complutense University of Madrid, Spain
Studies on Human Computer Interfaces Design for Chinese Mobile Phone Users
  Xue-Min Zhang, Beijing Normal University, China
A Multimodeling Framework for Complex Learning Activity Designs
  Sofiane Aouag, Laboratoire de Recherche sur le Langage, France
Question Answering from Lecture Videos Based on Automatic Generated Learning Objects
  Stephan Repp, University of Potsdam, Germany
  Serge Linckels, University of Potsdam, Germany
  Christoph Meinel, University of Potsdam, Germany
An Examination of the Relationship between Cognitive Style, Structure, and Task Complexity in Virtual Team Effectiveness
  Xiaojing Liu, Indiana University, USA
  Seung-hee Lee, Indiana University, USA
  Rich Magjuka, Indiana University, USA

Session 13: Mobile and Network Technologies for Learning

An Overview on Mobile e-Learning Research of Domestic and Foreign
  Wenan Tan, Zhejiang Normal University, China
  Yun Yang, Zhejiang Normal University, China
  Suxian Lin, Zhejiang Normal University, China
  Xianhua Zhao, Zhejiang Normal University, China
  Fujun Yang, Zhejiang Normal University, China

Mobile 2.0 Leads to a Transformation of Mobile Learning
  Shudong Wang, Hiroshima Shudo University, Japan
  Neil Heffernan, Ehime University, Japan

A Semiautomatic Content Adaptation Authoring Tool for Mobile Learning
  Hsuan-Pu Chang, Tamkang University, Taiwan
  Chun-Chia Wang, Northern Taiwan Institute of Science and Technology, Taiwan

Technical Route for Remote Demonstration Teaching
  ChangQing Ye, East China Normal University, China
  Xiao-Li Gu, Augmentum Software Development (Shanghai) Co., China

An Optimized Scheme for Mobile Learning on IP-based Network Using SIP
  Shao Jing Fan, Ningbo University of Technology, China
  Jianbo Fan, Ningbo University of Technology, China
  Yongping Zhang, Ningbo University of Technology, China
  Zhongkun He, Ningbo University of Technology, China

Poster Session 1

Teaching of English to Hearing Impaired Individuals Whose Mother Language is the Sign Language
  Athanasios Drigas, National Centre of Science Research, Greece
  Dimitris Kouremenos, National Centre of Science Research, Greece
  John Vrettaros, National Centre of Science Research, Greece

The design of an Artificial Psychology based WEB learning navigator
  Yong-jian Lou, Hangzhou Dianzi University, China
  Peng Wang, Hangzhou Dianzi University, China

Research on Mobile Learning Based on 3G Technology
  Yunzhi Chen, Hangzhou Vocation and technology college, China
  Yongmei Gao, Hangzhou Vocation and technology college, China

Research of Ubiquitous Learning Application Environment
  Zong Hu, Ningbo University, China

Affective-Based e-Learning Model Designing
  Cao Taoke, Tianjin Normal University, China

Authoring Neuro-Fuzzy Tutoring Systems for M and E-Learning
  Ramon Zatarain-Cabada, Instituto Tecnologico de Culiacan, Mexico
  M. L. Barrón-Estrada, Instituto Tecnologico de Culiacan, Mexico
  L. Zepeda –Sánchez, Instituto Tecnologico de Culiacan, Mexico
  Carlos A. Reyes-García, Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico

To Analyze Assessment That Using SPC Table
  Wen-Chih Chang, Chung Hua University, Taiwan
  Tsung-Pu Lee, Chung Hua University, Taiwan

Application of E-Portfolio in the Distance Chinese Language Visualization Teaching Platform

Qiang Lu, Central China Normal University, China
Yi Zhang, Central China Normal University, China
Pinghong Zhou, Central China Normal University, China
Ni Zhang, Central China Normal University, China
Zhiyuan Gu, Central China Normal University, China

E-learning System Design Based on Web Semantics and Individuation

Jie Yuan, ZheJiang Normal University, China
Jian-Min ZHAO, ZheJiang Normal University, China
Xin-Zhong ZHU, ZheJiang Normal University, China

Modeling and Analysis for the Educational Software Quality Hierarchy Triangle

Haiguang Fang, Capital Normal University, China
Jianfeng Ren, Capital Normal University, China
Mi Chen, Capital Normal University, China
Ailing Qiao, Capital Normal University, China

The Research of Mobile Support Synergistic Learning

Yi Jin, Guizhou Normal University, China
Zhu-Ying Lin, Guizhou Normal University, China

RAE: A Framework and Modeling Method for Distributed Learning System

Qingchao Ke, South China Normal University, China

Web Learning Capability of Web Services Based on Environment Ontology

Yang Xiafen, Zhejiang Normal University, China

The e-Learning System Model Based on Affective Computing

Xirong Ma, Tianjin Normal University, China
Rong Wang, Tianjin Normal University, China

Using Available Technologies to Assist and Enhance Learning: Experiences and Recommendations

Zuochen Zhang, the University of Windsor, Canada
Zuotang Zhang, Shihezi University, China

Poster Session 2

Construction of Collaborative Learning System Based on Multi-Agent Technology

Zhao Xiaoming, Taizhou University, China
Guo Wenping, Taizhou University, China
Chen Ying, Taizhou University, China

Assessment for Learning in Online Classes

Yuankun Yao, University of Central Missouri, USA

Design of Children's Online Science Learning Software

Zhen Liu, Ningbo University, China

E-Learning and Cross Culture

Seung-hee Lee, Indiana University, USA

Research and Development of an Auto-Producing System for Course Website

Weifeng Ma, Zhejiang University of Science and Technology, China
Xiaoyong SUN, Zhejiang University of Science and Technology, China
Yunfa LEI, Zhejiang University of Science and Technology, China

The Effect of Knowledge Management Processes on Project Management - An Empirical Study on Information Technology Industry in Jordan

Ibrahem Tadros, Al-balqa University, Jordan

A Quantitative Approach to eMM

Yong Zhou, East China Normal University, China

Jiping ZHANG, East China Normal University, China

A Genetic Search Strategy Based on Simulated Annealing for Web Mining

Wanneng Shu, South-Central University for Nationalities, China

Ah-Hwwe Yu, NanyangTechnological University, Singapore

Practice of Web-based Learning in University of Science and Technology via a Non-question-bank Supported Intelligent Online Test System

Jie Liu, Wuhan University of Science and Engineering, China

Wenbo Fang, Wuhan University of Science and Engineering, China

E-Learning System for Providing Online Course Management for Educational Institution

Nafees Mansoor, Independent University, Bangladesh

About e-Learning Application in Communication Teaching

Lina Chen, Zhejiang Normal University, China

Chunyu Miao, Zhejiang Normal University, China

Document Similarity Arithmetic Based on Web Structure Semantics

Jian-cai Huang, North China Electric Power University, China

Learning Styles Indicators in e-learning Materials

Javier Rojas, INT, France

Mechanism of Pricing Dynamically for Web Services

Jianbin Wu, Zhejiang Normal University, China

A Metadata-based Integration Scheme of Distributed Systems

Xinyu Zhang, Tsinghua University, China

Yu Zhang, Tsinghua University, China

Lianghao Dai, Beijing University of Posts and Telecommunications, China

Workshop on Blended Learning 2008

Final Program

W-Session 1: e-Learning Platforms and Tools

Advanced Methods of Web Learning
   Athanasios Drigas, Leyteris Koukianakis, Yannis Papagerasimou, NCSR Demokritos, Greece
An Online Special Terminology Interpreting System for Bilingual Instruction
   Xinchun Cui, Qufu Normal University, China
Design and Implementation of Principles of Computer Organization Virtual Lab Based on Component
   Jianxin Wang, Liyuan Zhang, Yu Sheng, Central South University, China
Design of a Real-time On-line Web-based Collaborative Learning Environment for Embedded Applications
   Jagadeesh Chandra A.P, and R.D Sudhaker Samuel, S.J College of Engineering, Mysore, India
A Novel Pen-based Flowchart Recognition System for Programming Teaching
   Zhenming Yua, Hong Pan, Liang Zhang, Hangzhou Normal University, China

W-Session 2: Design, Model and Framework of E-learning Systems

The Case of Interactive Web-based Course Development
   Du Jing, Li Fei, Li Bin, Tsinghua University, China
The Conceptual Model of Microworlds Supporting Scientific Discovery Learning
   Gang Chen, Jinyang Shi, Yi Li, Nanjing Normal University and Yangzhou University, China
Designing an Intelligent Coach for a Collaborative Concept-Mapping Learning Environment
   Fang Fang Chua, Multimedia University, Malaysia
A Theoretical Framework of Knowledge Spiral-based Ecosystem of Learner Development for Designing a Practical Ubiquitous Learning Environment
   Hai Zhang, Takanori Maesako, Northeast Normal University and Osaka University, Japan
Computer Assisted Learning with Card Game in System Design Concept
   Wen-Chih Chang and Yi-Lung Chen, Chung Hua University, Taiwan

W-Session 3: Practice and Experience Sharing

A Study on the Online-Adaptive Testing Systems for e-Learning
   Dong-Yong Yang, Seon-Kwan Han, Gyeong-in National University of Education, Korea
Summarization on the Data Mining Application Research in Chinese Education
   Ling Jiang, Zongkai Yang, Qingtang Liu, Haimei Wei, Huangzhong Normal University and Huanggang Normal College, China
Medical Imagistic Database Query for Educational Purpose
   Liana Stanescu, University of Craiova, Romania
Integrating IRT to estimate learning ability with S-P Chart in web based learning environment

Wen-Chih Chang, Hsuan-Che Yang, Timothy K. Shih, Chung Hua University and Tamkang University, Taiwan

A New Approach for Education Information System's Compliance Test with the CELTS Standard Based upon XML Processing
Yi Dou, Xinyu Zhang, China Agricultural University and Tsinghua University, China

W-Session 4: Pedagogical Issues

An Ajax-Based Terminology System for E-Learning 2.0
Haiqing Wang, Xinchun Cui, Zaihui Cao, Qufu Normal University, China

Multimedia instructional design corresponded to cognitive psychology
Hong-Juan Zhang, Yun-Xia Wang, Bao-Hua Zhao, Gui-Jie Li, Yong-Jian Lou, Hangzhou Dianzi University, China

Learning in an Online Distance Education Course: Experiences of Three International Students
Zuochen Zhang, University of Windsor, Canada

Using Online Discussions to Maximize Student Learning
Yuankun Yao, University of Central Missouri, USA

A MSE Model with Learning Mechanism and Merging Module based on FCA
Qinhua Dong, Yajun Du, Fugui Wang, Xihua University, China