

Conference Organization

Conference Co-chairs

- Qing Li, City University of Hong Kong, Hong Kong
- Wolfgang Nejdl, University of Hannover, Germany
- Wu Zhang, Shanghai University, China

PC Co-chairs

- Xiangfeng Luo, Shanghai University, China
- Marc Spaniol, Max Planck Institute for Computer Science, Germany
- Lizhe Wang, Indiana University, USA

Organization Chair

- Feiyue Ye, Shanghai University, China

Steering Committee Rep.

- Rynson W. H. Lau, Hong Kong Web Society, Hong Kong

Tutorial/Panel Co-Chairs

- Timothy Shih, National Central University, Taiwan
- Wanchun Dou, Nangjing University, China

ICWL 2010 Advanced Program

December 07,2010(ICWL)	
15:00-22:00	Registration on the spot(<i>the 7th floor of Sheraton Hotel</i>)

December 08,2010(ICWL)	
9:00-9:30	Opening Session Chaired by Qing Li (<i>Location: Reporting Hall of Sheraton Hotel</i>) <i>the 7th floor</i>
9:30-9:45	Group-Photo Taking
9:45-10:45	Keynote Talk1: Ubiquitous Personalized Information Fusion on the Web Xingdong Wu (<i>Location: Reporting Hall of Sheraton Hotel</i>) <i>the 7th floor</i>
10:45-11:00	Coffee Break
11:00-12:00	Keynote Talk2: Multi-Agent Systems based Simulation for Learning Kamalakar Karlapalem (<i>Location: Reporting Hall of Sheraton Hotel</i>) <i>the 7th floor</i>
12:00-13:00	Lunch (The Café, 1 st floor)
13:00-15:00	Session 1:Design, Model and Framework of E-learning Systems -chaired by Wolfgang Nejd(<i>Location: the 3rd meeting room</i>) <i>the 7th floor</i> Session 2:E-Learning Platforms and Tools -chaired by Rynson W. H. Lau(<i>Location: the 5th meeting room</i>) <i>the 7th floor</i>
15:00-15:15	Coffee Break
15:15-17:15	Session 3:E-learning Metadata and Standards - chaired by Yiwei Cao(<i>Location: the 3rd meeting room</i>) <i>the 7th floor</i> Session 4:Practice and Experience Sharing - chaired by Marc Spaniol(<i>Location: the 5th meeting room</i>) <i>the 7th floor</i>
18:00-20:30	Reception dinner(The Café, 1 st floor)

December 09,2010(ICWL)	
9:00-9:50	Keynote Talk3: Discovery, Invention, and Innovation David C.L. Liu (<i>Location: Reporting Hall of Sheraton Hotel</i>) <i>the 7th floor</i>
9:50-10:40	Keynote Talk4: Supporting Blended Learning with Online and Mobile Technologies Wanlei Zhou (<i>Location: Reporting Hall of Sheraton Hotel</i>) <i>the 7th floor</i>
10:40-11:00	Coffee Break
11:00-12:00	Panel discussion
12:00-13:00	Lunch (The Café, 1 st floor)

13:00-15:00	Session 5:Technology Enhanced Learning- chaired by KWOK(<i>Location: the 3rd meeting room) the 7th floor</i>	Session 6:Learning Resource Deployment, Organization and Management- chaired by Howard Leung(<i>Location: the 5th meeting room) the 7th floor</i>
15:00-15:15	Coffee Break	
15:15-17:15	Session 7:Pedagogical Issues- chaired by Bo yang(<i>Location: the 3rd meeting room) the 7th floor</i>	Session 8:Collaborative Learning and Game-based Learning- chaired by Jianxun Liu(<i>Location: the 5th meeting room) the 7th floor</i>
18:00-20:30	Conference Banquet(Daning Runfeng Restaurant) Location : Building 12, 6 th Floor No.2008, Gonghe Xin Road, Zhabei District, Shanghai, China	
December 10,2010(ICWL)		
8:30-10:00	Wksp(CICW)--Session1: Cognitive-based Interactive Computing and Web Wisdom- Xiao Wei(<i>Location: the 3rd meeting room) the 7th floor</i>	Wksp(STEG)-Session2: Story-telling and Educational Gaming- Yiwei Cao(<i>Location: the 5th meeting room) the 7th floor</i>
10:00-10:45	Coffee Break	
10:45-12:30	Wksp(CICW)-Session3: E_learning - Xiao Wei(<i>Location: the 3rd meeting room) the 7th floor</i>	Wksp(STEG)-Session4: Story-telling and Educational Gaming Applications- Yiwei Cao(<i>Location: the 5th meeting room) the 7th floor</i>
12:30-13:30	Lunch (The Café, 1 st floor)	
13:30-15:30	Wksp(IWKDEWL) –Session5: Knowledge Mining and Semantic Web technology- Bo Yang(<i>Location: the 3rd meeting room) the 7th floor</i>	Wksp(WGLBWS)-Session6: Mobile Learning and Web Service- Jianxun Liu(<i>Location: the 5th meeting room) the 7th floor</i>
15:30-15:45	Coffee Break	
15:45-18:00	Wksp(IWKDEWL)-Session7: Data modeling and Web-based Learning- Bo Yang(<i>Location: the 3rd meeting room) the 7th floor</i>	Wksp(WGLBWS)-Session8: WebGIS and its Associated Theory- Jianxun Liu(<i>Location: the 5th meeting room) the 7th floor</i>
December 11,2010(ICWL)		
9:00-18:00	Optional Tour (self-financed)	

ICWL2010 Detailed Program

December 08,2010(ICWL)

9:00-9:30	Opening-chaired by Qing Li
	Room: Reporting Hall of Sheraton Hotel(on the 7th floor)
9:30-9:45	Group-Photo Taking
9:45-10:45	Keynote Talk1: Xingdong Wu Room: Reporting Hall of Sheraton Hotel(on the 7th floor)
10:45-11:00	Coffee Break
11:00-12:00	Keynote Talk2: Kamalakar Karlapalem Room: Reporting Hall of Sheraton Hotel(on the 7th floor)
12:00-13:00	Lunch (The Café, 1 st floor)
13:00-15:00	Session 1:Design, Model and Framework of E-learning Systems
Room	The 3rd meeting room(on the 7th floor)
Session Chair	Wolfgang Nejdl
	An Advanced Learning Environment Aided by Recognition of Multi-modal Social Signals
	Jingying Chen, Dan Chen and Lizhe Wang
	Gap Detection in Web-based Adaptive Educational Systems
	Dominik Jednoralski, Erica Melis, Sergey Sosnovsky and Carsten Ullrich
	Learning Content Adaptation for m-Learning Systems: a Multimodality Approach
	Ivan Madjarov and Omar Boucelma.
	Supporting Adaptive Learning with a Student Model Repository and Shared Adaptive Variables
	Bakhtiyor Bahritidinov, Jorge Suárez de Lis, Eduardo Sánchez and Manuel Lama
	Dynamic Navigation for Personalized Learning Activities Based on Gradual Adaption Recommendation Model
	Jian Chen, Haifeng Man, Neil Y Yen, Qun Jin and Timothy K Shih
13:00-15:00	Session 2:E-Learning Platforms and Tools
Room	The 5th meeting room(on the 7th floor)
Session Chair	Rynson W. H. Lau

	Supporting Flexible Competency Frameworks
	Erica Melis, Carsten Ullrich, Ahmad Salim Doost and Arndt Faulhaber
	A Supplement for Learning Herbal Medicine Using a Web-based Tool and Social Network
	Verayuth Lertnattee, Sinthop Chomya and Virach Sornlertlamvanich
	eCH, A Course Help Tool for Teacher
	Kaili WANG and Philippe TRIGANO
	Personalized Curriculum Recommender System Based on Hybrid Filtering
	Jungwon Cho and Eui-young Kang
	e-Training DS: An Authoring Tool for Integrating Portable Computer Science Games in e-Learning
	Roberto Tornero, Javier Torrente, Pablo Moreno-Ger and Baltasar Fernandez-Manjon
15:00-15:15	Coffee Break
15:15-17:15	Session 3:E-learning Metadata and Standards
Room	The 3rd meeting room(on the 7th floor)
Session Chair	Yiwei Cao
	Automatically constructing a compact concept map of dance motion with motion captured data
	Yang Yang, Howard Leung, LiHua Yue and LiQun Deng
	An Open Model for Learning Path Construction
	Fan Yang, Frederick Li and Rynson Lau
	Using the Petri Nets for the Learner Assessment in Serious Games
	Amel Yessad, pradeepa THOMAS, Bruno Capdevila Ibáñez and jean-marc LABAT
	Specifying a programming exercises evaluation service on the e-Framework
	José Paulo Leal, Ricardo Queirós and Duarte Ferreira
	Comparing Learning Results of Web Based and Traditional Learning Students
	Julija Lapuh Bele and Joze Rugelj.
	Studies on Sustainable Design Strategies of the Product-Service System for the Web-based English learning
	Yue Qiu

15:15-17:15	Session 4:Practice and Experience Sharing
Room	The 5th meeting room(on the 7th floor)
Session Chair	Marc Spaniol
	Incorporating an automatic judge into blended learning programming activities
	Katerina Georgouli and Pedro Guerreiro
	Not Yet Ready for Everyone: an Experience Report about a Personal Learning Environment for Language Learning
	Carsten Ullrich, Ruimin Shen and Denis Gillet
	LABTA: An Agent-Based Intelligent Teaching Assistant for Experiment Courses
	Yang Chao
	Cross-Cultural Multimedia Language Learning: Case Study and Analysis
	Carsten Ullrich, Kerstin Borau, Scott Grant, Daniel Jackson and Ruimin Shen
	An effort to boost building an attentive service environment for the participants in smart classrooms
	Hongliang Gu and Ruimin Shen
	Predicting Learning Styles in a Conversational Intelligent Tutoring System
	Annabel Latham, Keeley Crockett, David McLean and Bruce Edmonds

December 09,2010(ICWL)	
8:30-9:20	Keynote Talk3: David Liu Room: Reporting Hall of Sheraton Hotel(on the 7th floor)
9:20-10:10	Keynote Talk4: Wanlei Zhou Room: Reporting Hall of Sheraton Hotel(on the 7th floor)
10:10-10:30	Coffee Break
10:30-12:00	Panel discussion(Reporting Hall of Sheraton Hotel, on the 7th floor)
12:00-13:00	Lunch (The Café, 1 st floor)
13:00-15:00	Session 5:Technology Enhanced Learning
Room	The 3rd meeting room(on the 7th floor)
Session Chair	KWOK

	A Scaffolding Support System for English Essay Reading
	Jia-Jiunn Lo, Shiou-Wen Yeh and Chao-Shien Sung
	An Ontology-based Framework for Personalized Adaptive Learning
	Ronnie Cheung, Calvin Wan and Calvin Cheng
	Enhancing Personal Learning Environment by Context-aware Tagging
	Yiwei Cao, Dejan Kovachev, Ralf Klamma and Rynson W.H. Lau
	Extending learning objects by means of social networking
	Julià Minguillón, M. Elena Rodríguez and Jordi Conesa
	Assisting the Authoring Process of IMS-LD using Web Parsing Technique
	Ka-shing Chan and Lam-for Kwok
13:00-15:00	Session 6: Learning Resource Deployment, Organization and Management
Room	The 5th meeting room(on the 7th floor)
Session Chair	Howard Leung
	CONSPECT: Monitoring Conceptual Development
	Fridolin Wild, Debra Haley and Katja Katja Bülow
	Delivering QTI Self-tests to Personal Learning Environments using Wookie Widgets
	Vladimir Tomberg, Raido Kuli, Mart Laanpere and Peeter Normak
	An Emotion Regulation Model in an E-Learning Environment
	jiwei qin, qinghua zheng, Haifei li and Huishan zhang.
	Bridging the Knowledge Gap between Research and Education through Textbooks
	Steven Kraines, Takaki Makino, Weisen Guo, Haruo Mizutani and Toshihisa Takagi.
	Web-based Enhanced Learning Style Index with Integration into an e-Learning System
	Mohamed Hamada and Kosuke Nishikawa
15:00-15:15	Coffee Break
15:15-17:15	Session 7: Pedagogical Issues
Room	The 3rd meeting room(on the 7th floor)
Session Chair	Bo yang

	Visualizing Activities for Self-reflection and Awareness
	Sten Govaerts, Katrien Verbert, Joris Klerkx and Erik Duval.
	Evaluation of Learning Outcomes
	Sylvia Encheva
	Improving Hybrid Learning of Physical Education by Video Review
	Ya-jun PANG
	Constructing the Intelligent Tutoring System from the View of Distributed Cognition
	Xin Li, Rong Liu and Minghua Li
	Open Learning: A Framework for sharable learning activities
	Haifeng Man, Hong Chen and Qun Jin
	An Personalized Assessment System based on Item Response Theory
	Youngseok Lee, Jungwon Cho, Sungjae Han and Byung-Uk Choi
15:15-17:15	Session 8: Collaborative Learning and Game-based Learning
Room	The 5th meeting room(on the 7th floor)
Session Chair	Jianxun Liu
	Supporting Active Learning in CLIL through Collaborative Search
	Ivana Marenzi, Rita Kupetz, Wolfgang Nejdil and Sergej Zerr
	Collaborative Learning by means of Multiplayer Serious Games
	Viktor Wendel, Felix Hertin, Stefan Göbel and Ralf Steinmetz
	Using Social Software for Teamwork and Collaborative Project Management in Higher Education
	Na Li, Carsten Ullrich, Sandy El Helou and Denis Gillet.
	A Study on the Effectiveness of Cooperative Learning in College English Writing
	Lizhen Huang and Fang Tang
	Design and Implementation of Collaboration Support in Virtual Experiment Environment
	Yu Sheng, Jianxin Wang, Weiping Wang and Lanying Liu
	Web-Based Probabilistic Retrieval of Chinese Calligraphic Character Images: An Efficiency Study
	Yi Zhuang

December 10,2010(ICWL)	
8:30-10:00	Wksp(CICW)--Session1: Cognitive-based Interactive Computing and Web Wisdom
Room	The 3rd meeting room(on the 7th floor)
Session Chair	Xiao Wei
	Hybrid Filtering-based Personalized Recommender System for Revitalization of Jeju Water Industry
	Jungwon Cho, Eui-young Kang, Hanil Kim, Hyungchul Kim,Youngseok Lee and Seungdo Jeong
	Modelling text file evaluation processes
	José Paulo Leal and Ricardo Queirós
	Duplicate Page Detection Algorithm Based on the Field Characteristic Clustering
	Feiyue Ye, Junlei Liu, Bing Liu and Kun Chai
	A Load-Balance Based Resource-Scheduling Algorithm Under Cloud Computing Environment
	Haihua Chang and Xinhuai Tang
	Research on Semantic Web Reasoning Based on Event Ontology
	Wenjie Xu, Wei Liu, Jianfeng Fu and Zongtian Liu
	Building the Association Catalog for Books based on Association Linked Network
	Xiao Wei,Wei Wu and Jiyan Xu
8:30-10:00	Wksp(STEG)-Session2: Story-telling and Educational Gaming
Room	The 5th meeting room(on the 7th floor)
Session Chair	Yiwei Cao
8:30-8:35	Opening and Welcome
8:35-9:10	Educational Gaming Design
	David Farrell, Glasgow Caledonian University
9:10-9:40	Community Adaptive Educational Games
	Clement Leung, Hongkong Baptist University
9:40-10:00	Story Telling for Cultural Knowledge Sharing
	Cat Kutay, University of New South Wales

10:00-10:45	Coffee Break(&Demo of workshop STEG)
10:45-12:30	Wksp(CICW)—Session3 :E_learning
Room	The 3rd meeting room(on the 7th floor)
Session Chair	Xiao Wei
	Factors Affecting Lifelong Learners' Intention to Continue Using E-learning Website: an Empirical Study
	Hsiu-Li Liao, Su-Houn Liu, Shih-Ming Pi, You-Jie Chou
	Requirements of Chinese Teachers for Online Student Tracking and a Comparison to their Western Counterparts
	Xiaohong Tan, Carsten Ullrich, Oliver Scheuer, Erica Melis, Ruimin Shen
18	Model-Based Cognitive Diagnosis of Students' Test Performance in an E-Learning Environment
	Rong Chen , Junjie Xu, Yingjie Song, Wu Deng and Yanheng Li
	Issues of Interaction in Pure-Online English Learning Environment through Perspectives of Cognitive Constructivism and Social Constructivism: A Case Study for Non-Formal Learning
	Yanhui Han
	The Virtual Learning Commons Architecture Based on Semantic Technologies
	Shuhuai Ren, Jialin Cao
10:45-12:30	Wksp(STEG)-Session4: Story-telling and educational gaming applications
Room	The 5th meeting room(on the 7th floor)
Session Chair	Yiwei Cao
10:45-11:05	Educational Game Design for Teaching Chinese as a Foreign Language by Effective Learning Environment, Flow, Motivation
	Yi Zhang, Huangzhong Normal University
11:05-11:35	A Narrative Architecture for Story-Driven Location-Based Mobile Games
	Katsiaryna Naliuka, Trinity College Dublin
11:35-12:05	Digital Storytelling for Competence Development
	Edgar Santos, INESC-ID, Lisboa
12:05-12:25	A Story on Internet Safety: Experiences from Developing a VR Gaming Environment
	Maria Fountana, Research Academic Computer Technology Institute, Patras

12:30-13:30	Lunch (The Café, 1 st floor)
13:30-15:30	Wksp(IWKDEWL) –Session5: Knowledge mining and Semantic Web technology
Room	The 3rd meeting room(on the 7th floor)
Session Chair	Bo Yang
	Mining Association Rules of Optional Courses for Course Coordinator
	Youngseok Lee
	Groupized Learning Path Discovery based on Member Profile
	Xiuzhen Feng
	Formal and Informal Lifelong Learning in a Virtual Communities Platform
	Luigi Colazzo
	Semantic annotation of educational resources through Linked Data
	Estefania Otero-Garcia
	A Deniable Authentication Protocol based on Generalized ElGamal Signature Scheme for E-learning
	Eun-Jun Yoon
13:30-15:30	Wksp(WGLBWS)-Session6 : Mobile learning and Web Service
Room	The 5th meeting room(on the 7th floor)
Session Chair	Jianxun Liu
	A Mobile Course Coordinator System
	Youngseok Lee, Jungwon Cho, Seungdo Jeong, Sungjae Han, Byung-Uk Choi
	The Application of Moodle in Computer English Teaching
	Yihai Chen, Huaikou Miao
	A Web Services Matchmaking Engine for AFlow
	Zhongwei Yang , Zhaoteng Song, Xin Li, Xinhuai Tang , Xiaozhou Yuan, Delai Chen
	OCL-based Testing for E-learning Web Service
	Jin Liu, Xiaoming Lu, Xiguang Feng, Jianxun Liu
15:30-15:45	Coffee Break
15:45-18:00	Wksp(IWKDEWL)-Session7 : Data modeling and web-based learning
Room	The 3rd meeting room(on the 7th floor)

Session Chair	Bo Yang
	Cryptanalysis of an Enhanced Simple Three-Party Key Exchange Protocol
	Eun-Jun Yoon
	Education-oriented People-to-People Association Network (E-PAN)
	Wenhao Zhu
	CAPACITY-BUILDING IN NONPROFIT ORGANIZATIONS: IS THERE A BLENDED LEARNING PARADIGM FOR THE SECTOR?
	M.T. Cole
	The Research and Implementation of Web Subject Fusion Based on Information Fusion
	Feiyue Ye
	A Knowledge-Driven Approach to Web-Based Learning for Formal Algorithm Development
	Yujun Zheng
15:45-18:00	Wksp(WGLBWS)-Session8: WebGIS and its Associated Theory
Room	The 5th meeting room(on the 7th floor)
Session Chair	Jianxun Liu
	A Proxy based Framework for Efficient Range Query Processing in a Cellular Network
	Muhamed Ilyas, Vijayakumar
	A Research of the Internet Based on Web Information Extraction and Data Fusion
	Yajun Jiang, Zaoliang Wu, Zengrong Zhan, Lingyu Xu
	Internet GIS and System Dynamic Modeling in Urban Public Safety and Security Studies: A Conceptual Framework
	Danlin Yu, Jingyuan Yin
	The Detection of Scene Features in Flickr
	Chunjie Zhou, Pengfei Dai, Jianxun Liu
	QoS-Based Probabilistic Fault-Diagnosis Method for Exception Handling
	Zhen Zhu, Wanchun Dou

December 11,2010(ICWL)	
9:00-18:00	Optional Tour(self-financed)

Keynote Talk1:

Ubiquitous Personalized Information Fusion on the Web

Prof. Xindong Wu

Dept. of Computer Science, University of Vermont, USA

Email: xwu@cs.uvm.edu

Abstract: Ubiquitous personalized information processing integrates inexpensive and networked information from multiple devices and heterogeneous systems simultaneously, based on individual users' interests. Information fusion in a ubiquitous personalized application involves a positive cycle of (a) demand-driven integration of information sources, (b) mining and analysis of the integrated information, (c) user interest modeling based on individual users' needs, wants and past behaviors, and (d) security/privacy considerations both before and after integration. This talk reviews influential data mining algorithms that can be utilized in these information fusion activities, introduces data mining applications for ubiquitous personalized information fusion, and presents research challenges in intelligent informatics, active information fusion, and adaptive interest modeling and monitoring. Adaptive interest modeling and monitoring deals with concept drifting from both information sources and the user's needs and wants, to provide customized information services. Example applications include Web news filtering and summarization, and adaptive information presentation in user-centered biological information retrieval on the Web.

Biography:



Xindong Wu is a Professor in Computer Science at the University of Vermont, USA. He holds a PhD in Artificial Intelligence from the University of Edinburgh, Britain. His research interests include data mining, knowledge-based systems, and Web information exploration. He has published over 200 refereed papers in these areas in various journals and conferences, including IEEE TKDE, TPAMI, ACM TOIS, DMKD, KAIS, IJCAI, AAI, ICML, KDD, ICDM, and WWW, as well as 25 books and conference proceedings. His research has been supported by the U.S. National Science Foundation (NSF), the U.S. Department of Defense (DOD), the National Natural Science Foundation of China (NSFC), and the Chinese Academy of Sciences, as well as industrial companies including Microsoft Research, U.S. West Advanced Technologies and Empact Solutions.

Dr. Wu is the founder and current Steering Committee Chair of the IEEE International Conference on Data Mining (ICDM), the founder and current Editor-in-Chief of Knowledge and Information Systems (KAIS, by Springer), the Founding Chair (2002-2006) of the IEEE Computer Society Technical Committee on Intelligent Informatics (TCII), and a Series Editor of the Springer Book Series on Advanced Information and Knowledge Processing (AI&KP). He was the Editor-in-Chief of the IEEE Transactions on Knowledge and Data Engineering (TKDE, by the IEEE Computer Society) between January 1, 2005 and December 31, 2008. He served as Program Committee Chair for ICDM '03 and as Program Committee Co-Chair for KDD-07, and is currently serving as Program Committee Chair (Knowledge Management Track) for CIKM 2010.

Professor Wu is the 2004 ACM SIGKDD Service Award winner, the 2006 IEEE ICDM Outstanding Service Award winner, and a 2005 Chair Professor in the Changjiang (or Yangtze River) Scholars Programme at the Hefei University of Technology (appointed by the Ministry of Education of China in 2006). He has been an invited/keynote speaker at numerous international conferences including IEEE GrC 2009, IDEAL 2009, JCKBSE 2008, HAIS 2008, NSF-NGDM'07, PAKDD-07, IEEE EDOC'06, IEEE ICTAI'04, IEEE/WIC/ACM WI'04/IAT'04, SEKE 2002, and PADD-97.

Keynote Talk 2:

Multi-Agent Systems based Simulation for Learning

Prof. Kamalakar Karlapalem

International Institute of Information Technology (IIIT), Hyderabad, India

Email: kamal@iiit.ac.in

Abstract: Agent is a software (program) or an embedded system (with h/w and s/w like robot) that can perceive its environment, communicate with other agents and work towards accomplishing its goals. For example, a team consisting of software soccer agents (players) or (humanoid) robots can play a soccer match with the team and individual goal of winning the match. Multi-agent systems is a mature field of research with recent work focusing on simulating complex systems.

In this talk, we shall concentrate on the role of multi-agent systems based simulation for learning by considering specific applications such as RoboCup competitions and Trading agent competitions. Further, we shall address important challenges for scaling up multi-agent based systems for simulating more realistic and complex environments. In particular, we shall present our current work on building (near) real time multi-agent based simulation framework.

Biography:



Kamal Karlapalem is a Professor and Head of Centre for Data Engineering at IIIT-Hyderabad. He has a PhD in computer Science from Georgia Tech in 1992. He was a Computer Science faculty member at HKUST from 1992 to 2000. He has published in the areas of multi-agent systems, data mining, workflow systems and database systems. His student teams have won third prize in RoboCup Rescue Simulation in 2005, Best New Agent in Trading agent competition in 2007, and VAST 2009 Challenge award.

His current research areas are multi-agent based simulation, visual data analytics and database systems.

Keynote Talk 3:

Discovery, Invention, and Innovation

Prof. David C. L. Liu

National Tsing Hua University, Taiwan

Email: liucl@mx.nthu.edu.tw

Abstract: Development of computer and communication technologies in the last half century has made the world a smaller and a flatter one. In a smaller world, we can have closer exchanges and cooperation. In a flatter world, we can have fairer competitions. We shall discuss, with the advancement of computer and communication technologies, how to build a sharing, harmonious, and prosperous society.

Biography:



C. L. Liu received his B. Sc. degree at the National Cheng Kung University in Taiwan and his S. M. and Sc. D. degrees from the Massachusetts Institute of Technology. His teaching career spans over forty years, at MIT, the University of Illinois at Urbana Champaign, and the National Tsing Hua University, where he is now the William Mong Honorary Chair Professor of Computer Science. His academic administrative duties include serving as Associate Provost at the University of Illinois at Urbana Champaign from 1996 to 1998, and as President of the National Tsing Hua University from 1998 to 2002.

His research areas are: computer-aided design of VLSI circuits, computer-aided instruction, real-time systems, combinatorial optimization, and discrete mathematics. He has published over 180 technical papers, and 8 technical books. In addition, he has published three books which are essay collections.

He serves on the Boards of a number of high tech companies and educational and charitable foundations in Taiwan, Hong Kong, and the US. Since 2005, he hosts a weekly radio show on Technology and Humanities in the radio station IC975 in Hsinchu.

He is a member of Academia Sinica, and a Fellow of IEEE and ACM.

Keynote Talk 4:

Supporting Blended Learning with Online and Mobile Technologies

Prof. Wanlei Zhou

Chair Professor of Information Technology and Head
School of Information Technology, Deakin University, Australia
Email: wanlei@deakin.edu.au

Abstract: Over the last decade e-learning has improved the access and delivery of learning content in higher education. However many traditional learning methodologies developed through classroom based learning are still in place and functioning well, hence a blended approach to learning that incorporates successful traditional learning methodologies such as ice breaking, collaboration, voice and images into e-learning is a natural way to support the students learning experience.

In this talk we focus on the development of a blended learning model and the integration of online and mobile technologies with the above-mentioned traditional learning methodologies. In particular, we focus on the use of wikis, e-lectures (voice and video lectures synchronised with PowerPoint presentations) and mobile phones to integrate various traditional learning methodologies into e-learning, enabling students to be immersed in a blended learning environment. Through the use of the selected technologies, we are able to provide a blended learning environment to support the students learning experience in an adaptive way. That is, our blended learning environment will enable students to choose different learning methodologies and learning content according to their own preferences, which may be influenced by their own learning style and cultural background.

Biography:



Professor Wanlei Zhou received the B.Eng (Computer Science and Engineering) and M.Eng (Computer Science and Engineering) degrees from Harbin Institute of Technology, Harbin, China in 1982 and 1984, respectively, and the PhD degree from The Australian National University, Canberra, Australia, in 1991. He also received a DSc degree (a higher Doctorate degree) from Deakin University in 2002 for his substantial contribution to knowledge and authoritative standing in the field of distributed computing. He is currently the Chair Professor in Information Technology and Head of School, School of Information Technology, Deakin University. Before joining Deakin University, Professor Zhou has been a system programmer in HP at Massachusetts, USA; a lecturer in Monash University, Melbourne, Australia; and a lecturer in National University of Singapore, Singapore. His research interests include theory and practical issues of building distributed systems, security and reliability of computer networks, bioinformatics, and e-learning.

Professor Zhou has published more than 200 papers in refereed international journals and refereed international conferences proceedings. Professor Zhou has edited 5 books and authored 1 book. He has also chaired a number of international conferences. Prof Zhou is a Senior Member of the IEEE.

Traffic information

Railway Station



Traffic Suggestion:

- take Metro Line 1 (from “Shanghai Railway Station” to “Yanchang Rd.”)
- 乘坐地铁一号线（上海火车站——延长路）

Shanghai Hongqiao International Airport



Traffic Suggestion:

- take Metro Line 2 (from “Hongqiao Airport T2” to “People's Square”), transfer to Metro Line 1 (from “People's Square” to “Yanchang Rd.”)
- 乘坐地铁二号线（虹桥2号航站楼——人民广场），转地铁一号线（人民广场——延长路）

Shanghai Pudong International Airport



Traffic Suggestion:

Line 1:

take the Maglev Train(from “Pudong Airport” to “Longyang Rd.”),
transfer to Metro Line 2 (from “Longyang Rd.” to “People's Square”),
transfer to Metro Line 1 (from “People's Square” to “Yanchang Rd.”)

线路 1:

乘坐磁悬浮（浦东国际机场——龙阳路），
转地铁二号线（龙阳路——人民广场），
转地铁一号线（人民广场——延长路）

Line 2:

take Metro Line 2 (from “Pudong Airport” to “People's Square”),
transfer to Metro Line 1 (from “People's Square” to “Yanchang Rd.”)

线路 2:

乘地铁二号线（浦东国际机场——人民广场），
转地铁一号线（人民广场——延长路）