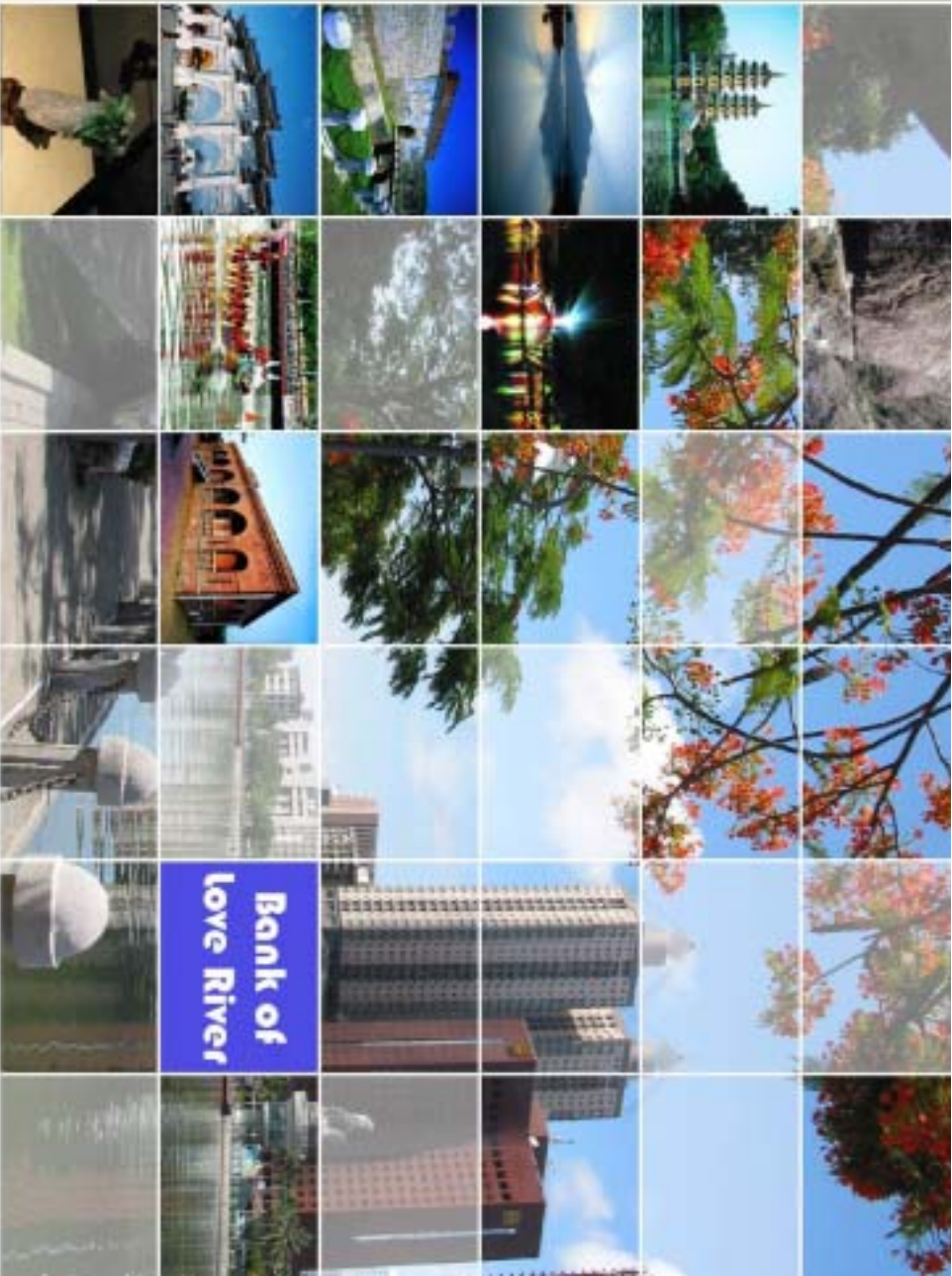


ICALT 2005



E-Learning

Next Generation System :

- Intelligent Application &
- Smart Design

JULY 5-8, 2005

KNOHSHIUNG, TAIWAN

Directory

Map of conference venue 1
Directory 2

ICALT 2005 Schedule

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Thursday 7 July Program 8
Friday 8 July Program 9

Tuesday 5 July :

Sessions [1-13] 10

Wednesday 6 July :

Sessions [14-17] 17
Paper sessions [1-4] 18
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Sessions [18-26] 22

Thursday 7 July :

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ICALT 2005 Schedule

Notes for paper presenters:

1. Each presentation is of 15 minutes duration, including questions and answers.
2. Each presentation room will have computers to presenters. The computers will have at least following configuration:
 - a. Windows XP operating system
 - b. PowerPoint 2002
 - c. Internet Explorer Edition 6.
 - d. Acrobat 5.0
 - e. Media player 10.0
3. Please bring your presentation on a disk, CD, or USB drive. We encourage you to bring it on more than one media.
4. Presenters may also plug-in their own laptops.
5. Taiwan runs 110 Volts 60 Hz electricity. The plugs are American type. Please do not forget to bring power converters and adapters as needed for your laptops and other electrical equipments.
6. Wireless environment is provided in all lecture halls. We encourage participants to bring their own laptops and wireless access cards if possible since there will be only 6 desktop computers available for public usage such as email checking.

Notes for poster presenters:

1. Poster display board size: 180 cms x 75 cms (wooden boards)
2. Posters can be put using pins and blue tack. Please bring your own pins and blue tack.
3. Electricity will not be provided for poster displays.

Note: An ICALT 2005 volunteer will be available at Kaohsiung international airport to guide participants to take public bus to main station in down town area on July 4, 2005 during 8:00~20:00.

**ICALT Summer School on Educational Technology
June 28 - July 3, 2005**

	Tuesday, June 28th	Wednesday, June 29th	Thursday, June 30th	Friday, July 1st	Saturday, July 2nd	Sunday, July 3rd
9.00-12.00	Opening Session	Track activities	Track activities	Historical scenery tour at Tainan city	Track activities	Closing session
12.00-13.00	Lunch break	Lunch break	Lunch break	City Tour	Lunch break	-
13.00-14.00	Lunch break	Lunch break	City tour at Koahsiung city	City Tour	Lunch break	-
14.00-17.00	Track activities	Track activities	City tour	City Tour	Track activities	
17.00-	Group activities etc.	Group activities etc.	Group activities etc.	Group activities etc.	Group activities etc.	-

**For more details on summerschool, please see:
<http://cs.joensuu.fi/edtech/summer05/index.htm>**

Tuesday 5 July 2005

Time				
8:10 - 9:00	Registration (1 st Floor lounge)			
9:00 - 9:30	Session 1: Opening ceremony (Auditorium) NKNU President: Dr. Chia-nan Tai Mayor of Kaohsiung city [Chair: David Jin-Tan Yang]			
9:30 - 10:15	Session 2: Keynote speech (Auditorium) - Tak-Wai Chan [Chair: Kinshuk]			
10:30 - 11:00	Tea/Coffee Break (1st Floor lounge)			
11:00 - 12:30	Session 3: Adaptivity in Learning Systems (Room 103)	Session 4: Artificial Intelligence Tools for Contextual Learning (Room 203)	Session 5: Educational Modelling Languages (Room 204)	Session 6: Virtual Spaces for Learning Communities (Room 205)
12:30 - 13:15	Lunch (Rooms 107 and 108)			
13:30 - 15:30	Session 7: Panel - Educational Computing in Global Digital Classrooms (Auditorium)	Session 8: Advanced Uses of Multimedia and Hypermedia (Room 103)	Session 9: Architecture of Context Aware Learning Technology Systems (Room 203)	Session 10: Interactive Learning Systems (Room 204)
15:30 - 16:00	Tea/Coffee Break (1st Floor lounge)			
16:00 - 18:00	Session 7 (Cont.): Panel - Educational Computing in Global Digital Classrooms (Auditorium)	Session 11: Adaptivity in Learning Systems (Room 103)	Session 12: Interactive Learning Systems (Room 203)	Session 13: Pedagogical and Organisational Frameworks (Room 204)
18:10	Informal welcome reception (Entrance of conference venue)			
19:30	Buses back to identified hotels			

Wednesday 6 July 2005

Time				
8:10 - 9:00	Registration (1st Floor lounge)			
9:00 - 10:30	Session 14: Panel - e-Learning in Asia pacific countries (Room 103)	Session 15: Adaptivity in Learning Systems (Room 203)	Session 16: Instructional Design Theories (Room 204)	Session 17: TEDC (Auditorium)
10:30 - 11:30	Tea/Coffee Break (1st Floor lounge) Posters 1 (2nd Floor lounge)			
11:30 - 12:30	Session 18: Adaptivity in Learning Systems (Room 103)	Session 19: Concretizing Technologies (e.g. Robotics) in Learning (Room 203)	Session 20: Educational Modelling Languages (Room 204)	Session 17 (Cont.): TEDC (Auditorium)
12:30 - 13:15	Lunch (Rooms 107 and 108)			
13:30 - 14:15	Session 21: Keynote speech (Auditorium) - Rob Koper [Chair: Demetrios G Sampson]			
14:30 - 15:30	Session 22: Workshop - Tablet PCs in Engineering Education (Room 103)	Session 23: Artificial Intelligence Tools for Contextual Learning (Room 203)	Session 24: Learning Objects for Personalised Learning (Room 204)	Session 17 (Cont.): TEDC (Auditorium)
15:30 - 16:00	Tea/Coffee Break (1st Floor lounge)			
16:00 - 18:00	Session 22 (Cont.): Workshop - Tablet PCs in Engineering Education (Room 103)	Session 25: Interactive Learning Systems (Room 203)	Session 26: Using Metadata to Promote Reusability and Accessibility of Educational Content (Room 204)	Session 17 (Cont.): TEDC (Auditorium)

Thursday 7 July 2005

Time				
8:10 - 9:00	Registration (1st Floor lounge)			
9:00 - 10:30	Session 27: Mobile Learning Applications (Room 103)	Session 28: Educational Paradigms (Room 203)	Session 29: Interactive Learning Systems (Room 205)	Session 30: ETCC (Room 204)
10:30 - 11:30	Tea/Coffee Break (1st Floor lounge) Posters 2 (2nd Floor lounge)			
11:30 - 12:30	Session 31: Invited Speech - Learner-Centered, Interface Design Strategies (Elliot Soloway and Cathie Norris) (Room 103)	Session 32: Instructional Design Theories (Room 203)	Session 33: Media for Learning in Multicultural Settings (Room 205)	Session 30 (Cont.): ETCC (Room 204)
12:30 - 13:15	Lunch (Rooms 107 and 108)			
13:30 - 14:15	Session 34: Keynote speech (Auditorium) - Kathy Sinita [Chair: Nian Shing Chen]			
14:30 - 15:30	Session 35: Workshop - International Workshop on Applications of Semantic Web Technologies for E-Learning (SW-EL) (Room 103)	Session 36: Interactive Learning Systems (Room 203)	Session 37: Adaptivity in Learning Systems (Room 205)	Session 38: Artificial Intelligence Tools for Contextual Learning (Room 204)
15:30 - 16:00	Tea/Coffee Break (1st Floor lounge)			
16:00 - 18:00	Session 35: Workshop - International Workshop on Applications of Semantic Web Technologies for E-Learning (SW-EL) (Room 103)	Session 39: Interactive Learning Systems (Room 203)	Session 40: Technology-Facilitated Learning in Complex Domains (Room 205)	Session 41: Building Learning Communities (Room 204)
18:00	Buses to Grand Hotel for Conference Banquet			
19:00 -21:00	Conference Banquet - Grant Hotel			
21:00	Buses from Grand Hotel to identified hotels			

Friday 8 July 2005

Time				
8:10 - 9:00	Registration (1st Floor lounge)			
9:00 - 10:30	Session 42: Workshop - The Development of Active Multimodal Presentations (Room 103)	Session 43: Information Retrieval and Visualization Methods for Learning (Room 203)	Session 44: Virtual Spaces for Learning Communities (Room 205)	Session 45: Metadata for Learning Resources (Room 204)
10:30 - 11:00	Tea/Coffee Break (1st Floor lounge)			
11:00 - 12:30	Session 42 (Cont.): Workshop - The Development of Active Multimodal Presentations (Room 103)	Session 46: Peer-to-Peer Learning Applications (Room 203)	Session 47: Educational Paradigms (Room 205)	Session 48: Metadata for Learning Resources (Room 204)
12:30 - 13:15	Lunch (Rooms 107 and 108)			
13:15 - 14:00	Closing ceremony ICALT 2006 Invitation (Auditorium)			
14:00 - 15:30	Session 49: Tutorial 1 - Standardization of Technology for Computer Supported Collaborative Learning (Toshio Okamoto) (Room 103)	Session 50: Tutorial 2 - A Sustainable eLearning Ecosystem Model in Post-Secondary Online Education (Vive Kumar) (Room 203)	Session 51: Tutorial 3 - Smart Design in eLearning Interfaces (Carmen Taran) (Room 204)	Session 52: Tutorial 4 - Designing Highly Adaptive Tutorial learning Units (Alfred Bork and Gin-Fon Nancy Ju) (Room 205)
15:30 - 16:00	Tea/Coffee Break (1st Floor lounge)			
16:00 - 18:00	Session 49 (Cont.): Tutorial 1 - Standardization of Technology for Computer Supported Collaborative Learning (Toshio Okamoto) (Room 103)	Session 50 (Cont.): Tutorial 2 - A Sustainable eLearning Ecosystem Model in Post-Secondary Online Education (Vive Kumar) (Room 203)	Session 51 (Cont.): Tutorial 3 - Smart Design in eLearning Interfaces (Carmen Taran) (Room 204)	Session 52 (Cont.): Tutorial 4 - Designing Highly Adaptive Tutorial learning Units (Alfred Bork and Gin-Fon Nancy Ju) (Room 205)

Session 1: Tuesday 5 July 2005 (9:00-9:30) - Opening ceremony [Auditorium]

Chair: David Jin-Tan Yang

Session 2: Tuesday 5 July 2005 (9:30-10:15) - Keynote Speech - Lifelong Learning Companion: A Grand Challenge Problem for Advanced Learning Technologies (Tak-Wai Chan) [Auditorium]

Chair: Kinshuk

Session 3: Tuesday 5 July 2005 (11:00-12:30) - Adaptivity in Learning Systems [Room 103]

Chair: Maiga Chang

22	Mining Learner Profile Utilizing Association Rule for Common Learning Misconception Diagnosis	Chih-Ming Chen & Ying-Ling Hsieh
49	Supporting Adaptive Learning in Hypertext Environment: A High Level Timed Petri Net Based Approach	Shang Gao, Zili Zhang & Igor Hawryszkiewicz
307	eQ: An Adaptive Educational Hypermedia-based BDI Agent System for the Semantic Web	Violeta Damjanovic, Milos Kravcik & Vladan Devedzic
132	Investigating an Approach for Online Reading Assessment	Nasiroh Omar, Colin Higgins & Colin Harrison
138	Facial Expression Analysis in E-learning Systems - The Problems and Feasibility	May-Ping Loh, Ya-Ping Wong & Chee-Onn Wong
172	Mediators for Integrating Content into Service-based e-Learning Environments	Gottfried Vossen & Peter Westerkamp

Session 4: Tuesday 5 July 2005 (11:00-12:30) - Artificial Intelligence Tools for Contextual Learning [Room 203]

Chair: Po ta Yu

44	Predicting Students' Marks in Hellenic Open University	Sotiris B. Kotsiantis & Panayiotis E. Pintelas
2	Usage of intellectual agents for intensification of educational process	Pavlo Fedoruk
31	Discovering Ontological Semantics for Reuse and Sharing of Learning Objects in a Contextual Learning Environment	Ching-Chieh Kiu & Chien-Sing Lee
59	Computer-Assisted Item Generation for Listening Cloze Tests in English	Shang-Ming Huang, Chao-Lin Liu & Zhao-Ming Gao

130	The Effect of Correlation on the Accuracy of Meta-learning Approach	Li-ying Yang & Zheng Qin
278	Adding Semantic Retrieving Concept Model into the Discussion Board of Learning Community by Using Topic Maps	Stephen J.H. Yang, Tiffany C. W. Fan & Irene Y.L. Chen

Session 5: Tuesday 5 July 2005 (11:00-12:30) - Educational Modelling Languages [Room 204]

Chair: Stephen Yang

116	An Open Architecture for Usage Analysis in a E-Learning Context	Sébastien Iksal & Christophe Choquet
144	Language Independent Rules for Suggesting and Formalizing Observed Uses in a Pedagogical Reengineering Context	Vincent Barré & Christophe Choquet
134	An Ontology-Based Approach to Supporting Didactics in E-Learning Systems	Denis Helic
152	Design Patterns Approach for Usage Analysis in Re-Engineering Process of Learning Systems	Noa Randriamalaka
296	A Perspective and Pattern-based Evaluation Framework of EMLs' Expressiveness for Collaborative Learning: Application to IMS LD	Manuel Caeiro-Rodríguez, Luis Anido-Rifón & Martín Llamas-Nistal
388	Enabling Learning Designers to Model Dynamic Learning Processes	Yongwu Miao

Session 6: Tuesday 5 July 2005 (11:00-12:30) - Virtual Spaces for Learning Communities [Room 205]

Chair: Von Wen Soo

56	VEC3D: A 3-D Virtual English Classroom for Second Language Learning	Yong-Yuan Lin, Ya-Chun Shih & Mau-Tsuen Yang
277	The Pedagogical Benefits of Remote Design Collaboration in a 3D Virtual Environment: a Case Study	Theodor G Wyeld
362	Using 3D CVEs for Collaborative Creation of Common Information Spaces: Experiences and Future Directions	Ekaterina Prasolova-Førland & Monica Divitini
420	Towards Grid Services for a Virtual Research Environment	Gary B Wills, Lester Gilbert, Quintin Gee, Hugh C Davis, Tim Miles-Board, David E Millard, Les A Carr, Wendy Hall & Simon Grange
68	Adaptive Networked Learning Environments Using Learning	Chi-Syan Lin & Ming-Shiou Kuo

Session 7: Tuesday 5 July 2005 (13:30-18:00) - Panel - Educational Computing in Global Digital Classrooms [Auditorium]

Chair: Dave Liu

G1:1 or G one-on-one, stands for Global digital classrooms with One student learning with One computing device. Also, 1:1 implies *one times one equal to one*, whereas the first one denotes the student and the second one denotes the computing device, and that the last one means that the student uses the device so neatly and snugly as if the device were an integral part of the student.

In next few years, a growing number of students will possess some kind of portable computing devices equipped with wireless communication capabilities. These devices will be used frequently and integrally in the classroom and else where in the course of instruction, become as indispensable learning tools like pencils and chalkboards, yet enable students to learn more quickly, more deeply, and with more fun.

There are two premises. First, in next ten years or so, most parents and teachers, in K-12 or universities, will encounter more and more compelling examples or stories around them about the use of such devices for enhancing learning and teaching. Second, again, in next ten years and so, the prices of these learning devices will become affordable to the majority of parents or college students, and wireless services and access to the Internet will be ubiquitously available in and out of schools or universities.

The panel will discuss these premises in terms of the potential for change in how, where and when students learn and whether such change is likely to be greater in the next ten years than in any previous time in the past 200 years of formal school history or the even longer history of university education. The panel will specifically focus on the responsibility of researchers to guide this change.

Another issue of discussion will be the development of global network to leverage the impact factor. In practical terms, the panelists will discuss the emergence of a Global Network of Component Exchange Centers. Typically researchers are research product producers, but we believe that they should also play a role of research product consumers in the sense that their research products can be tested and used widely by the larger G1:1 community. In this way, G1:1 will become a *network of impacts*. For this purpose, Component Exchange Centers (CECs) will need to be developed for some types of components. With network of CECs, research groups over the world will benefit by rapid research and development, sharing components, being able to combine research results, etc.

A component in this respect usually refers to a piece of software, a unit of digital content material (in short, material), and perhaps a piece of hardware (probably together with some communication protocols). Components for one-on-one educational computing will typically include:

- Components of theories
- Components of activity models
- Components of methodologies
- Components of digital materials
- Software components
- Hardware devices

Assuming a G1:1 member is specialized in at least one type of components, being a CEC of components of their expertise allows a G1:1 member to have substantial contribution to the G1:1 community by providing one or more services, perhaps of different levels as listed below:

- Building an information site or an inventory of components
- Building its own library of components
- Coordinating with other research centers to develop common language or standards of components, if needed, to facilitate communications among G1:1 members
- Exchanging components with other CECs

The panel will discuss the experiments being carried out in Asia Pacific Component Exchange Center and open up dialog for collaboration around the world.

Session 8: Tuesday 5 July 2005 (13:30-15:30) - Advanced Uses of Multimedia and Hypermedia [Room 103]

Chair: Hugh Davis

193	A Marking-based Synchronized Multimedia Tutoring System for Composition Studies	Kuo-Yu Liu, Jin-Yi Wang & Heng-Yow Chen
263	VR-Based Dynamics Learning System Using Haptic Device and its Evaluation	Masayuki Inoue, Yukihiro Matsubara, Noriyuki Iwane, Manabu Nakamura & Makoto Ichitsubo
269	The Effects of Learning Style and Flow Experience on the Effectiveness of E-Learning	Wen Jia Rong & Yang Szu Min
271	Design and Implementation of Cyber Assistant Professor: CAP	Hiroshi Matsuda & Yoshiaki Shindo
384	Reuse of Multimedia Components in the Development of Distance Learning Applications	Marina Teresa Pires Vieira, Fernando Genta dos Santos, Evandro A. da Silva & Antonio Francisco do Prado
457	Study of 3D Interactive Model WEB Construction for Vocational High School Drawing Courses in Taiwan	Rong-Jyue Fang, Shih-Fann Chao & Ling-Chih Weng
170	Can emotional design change people's attitude on the web site?	Tien Feng Chang
189	Operation-Style Answering in Multimedia Testing System DrillS-M for Kanji Letter Shape Learning	Yu Kinugasa, Naoko Yamashita, Toshihiro Hayashi, Hiroyuki Tominaga & Toshinori Yamasaki

Session 9: Tuesday 5 July 2005 (13:30-15:30) - Architecture of Context Aware Learning Technology Systems [Room 203]

Chair: Vive Kumar

135	Effects of self-regulated learning in programming	Vive Kumar, Phil Winne, Allyson Hadwin, John Nesbit, Dianne Jamieson-Noel, Tom Calvert & Behzad Samin
194	Using Grid Computing and PVFS2 Technologies for Construction of an e-Learning Environment	Chao-Tung Yang, Hsin-Chuan Ho & Chien-Tung Pan
286	Edu-Smile: A context-aware service for synchronous support in web-based educational systems	Vassilis Kapsalis, Christos Fidas, Christos Tranoris & Adrian Stoica
381	PatternGuru: An Educational System for Software Patterns	Marko Bošković, Dragan Gašević & Vladan Devedžić
429	An Architectural Framework for Composition and Execution of Complex Learning Processes	Jorge Torres, Juan Manuel Doderó, Ignacio Aedo & Telmo Zarraonandia
438	Towards Next Generation Activity-based Web-based Educational Systems	Pythagoras Karampiperis & Demetrios Sampson
196	A Learning Management System based on the Life Cycle Management Model of e-Learning Courseware	Shinobu Hasegawa & Koichiro Ochimizu
455	A Content Manager for a complex multimodal robotic management: the Robo-eLC case	Gaetano La Russa, Viacheslav Shirikov & Erkki Sutinen

Session 10: Tuesday 5 July 2005 (13:30-15:30) - Interactive Learning Systems [Room 204]

Chair: Ching Jung Liao

42	OEPortal: an Open, Unified, and Interoperable Presentation-Preserving e-Learning Portal	Kevin Chihcheng Hsu & Fang-Chuan Ou Yang
62	The Hard SCORM LMS: Reading SCORM Courseware on Hardcopy Textbooks	Timothy K. Shih, Nigel H. Lin, Wen-Chih Chang, Te-Hua Wang, Hsiau Wen Lin, Hsuan-Pu Chang, Kuan-Hao Huang, Yun-Long Sie, Mon-Ting Tzou & Jin-Tan Yang
64	The Design of Load-Balancing LMS Based on Decomposition Structure	Tzu-Chao Chien & Fu-Chien Kao
201	ANSI C Program Slicing Tool and Text Generator for an Interactive Learning Environment	Nathalie Rose T. Lim, Cheryl Anne G. Cordova, Christie Diane Y. Lopez & Carissa P. Recto
220	Tabulæ: Educational Groupware for Learning Geometry	Thiago Guimarães Moraes, Flávia Maria Santoro & Marcos R.S. Borges

241	Intelligent Learning Environment: Building Hybrid System from Standard Application and Web Application	Keh-Siong Chee & Somnuk Phon-Amnuaisuk
266	Enhancing Learning Resources Reusability with a New Learning Design Framework	Stephen J.H. Yang, April C.N. Chang & Irene Y.L. Chen
284	Evaluating Learner's Knowledge Level on Concept Mapping Tasks	Evangelia Gouli, Agoritsa Gogoulou, Kyparisia Papanikolaou & Maria Grigoriadou

Session 11: Tuesday 5 July 2005 (16:00-18:00) - Adaptivity in Learning Systems [Room 103]

Chair: Nian Shing Chen

281	Java Learning Object Ontology	Ming-Che Lee, Ding Yen Ye & Tzone I Wang
321	Goal Oriented Personalisation with SCORM	Guillermo Power, Hugh C Davis, Alexandra I. Cristea, Craig Stewart & Helen Ashman
14	Elearning versus Alearning	Alfred Bork & Gin-Fon Nancy Ju
27	An Advanced Organizer for Asynchronous Discussion Forums	Andrew K. Lui, Reggie Kwan & Sandy C. Li
69	Towards an Advanced Modeling System applying a Service-based Approach	Christian Gütl & Victor Manuel García-Barrios
77	Progress-Based E-Learning Courses With Hierarchical Subject Structures	Dan Tian
36	Learning Performance Assessment Approach Using Learning Portfolio for E-learning Systems	Chih-Ming Chen & Yi-Yun Chen
404	Authoring Educational Topic Maps: Can We Make It Easier?	Darina Dicheva & Christo Dichev

Session 12: Tuesday 5 July 2005 (16:00-18:00) - Interactive Learning Systems [Room 203]

Chair: Eshaa M. Alkhalifa

463	Learning Units Design based in Grid Computing	Leonel Iriarte Navarro, Manuel Marco Such, Alexander Sanchez Díaz, Daniel Morón Martín & Pedro Pernías Peco
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471	System Development and Practice of e-Learning in Graduate School	Kazuya Seki, Wataru Tsukahara & Toshio Okamoto
385	Enhancing effective ePortfolios through Agents	Tanko Ishaya & Dawn Wood
328	Understanding Object-Oriented Software through Virtual Role-play	Guillermo Jiménez-Díaz, Mercedes Gómez-Albarrán, Marco A. Gómez-Martín & Pedro A. González-Calero
366	Empirical Modelling in Support of Constructionist Learning: A Case Study from Relational Database Theory	Meurig Beynon & Antony Harfield
414	Design and Integration of Low-Cost Technologies and Software to Create Interactive Learning and Support Environments Which Augment Traditional Learning	Taha A. Taha
217	Augmented Instructions - A Fusion of Augmented Reality and Printed Learning Materials –	Kikuo Asai, Hideaki Kobayashi & Tomotsugu Kondo

Session 13: Tuesday 5 July 2005 (16:00-18:00) - Pedagogical and Organisational Frameworks [Room 204]

Chair: Olivera Marjanovic

20	DOKGETT – An Authoring Tool for Cognitive Model-based Generation of the Knowledge	Mehdi Najjar, Philippe Fournier-Viger, André Mayers & Jean Hallé
293	Constructing High Quality Learning Environments using Learning Designs and Learning Objects	Barry Harper, Shirley Agostinho, Sue Bennett, Jason Lukasiak & Lori Lockyer
353	Designing a Web-based van Hiele Model for Teaching and Learning Computer Programming to Promote Collaborative Learning	J. Wey Chen
367	Preparing Teachers to the use of LOs: an analysis of conceptions	Emanuela Buseti, Giuliana Dettori, Paola Forcheri & Maria Grazia Ierardi
446	A Framework of Using Online Portfolio to Provide Learner and Learning Support in e-Learning	Chunyan Liu & Georgios A. Dafoulas
7	The Use of Instructor's Feedback and Grading in Enhancing Students' Participation in Asynchronous Online Discussion	Hsin-Te Yeh
160	Real World Pedagogy for E-business Applications - Project Management Approach	Kuan-Chou Chen
320	An Evaluation of Open Source E-Learning Platforms Stressing Adaptation Issues	Sabine Graf & Beate List

Session 14: Wednesday 6 July 2005 (9:00-10:30) - Panel - e-Learning in Asia pacific countries [Room 103]**Chair: Guo Dong Chen****Session 15: Wednesday 6 July 2005 (9:00-10:30) - Adaptivity in Learning Systems [Room 203]****Chair: Amy Yu-Fen Chen**

426	Combining Expert Systems and Adaptive Hypermedia Technologies in a Web Based Educational System	Ioannis Hatzilygeroudis, Christos Giannoulis & Constantinos Koutsojannis
84	Personalised Web-Based Learning Systems	Klaus-Dieter Schewe, Bernhard Thalheim & Alexei Tretiakov
90	Constructive m-Learning Environments	Thanasis Hadzilacos & Nectaria Tryfona
184	Content-generation System using a Learner's Answering Process	Haru Ando, Keiko Fujita & Taro Ishikawa
213	An Initial Framework for Implementing and Evaluating Probabilistic Adaptivity in Mobile Learning	Fatma Elsayed Meawad & Geneen Stubbs
260	The e-Learning Readiness of Teachers in Hong Kong	Koon Keung Teddy So

Session 16: Wednesday 6 July 2005 (9:00-10:30) - Instructional Design Theories [Room 204]**Chair: Rob Koper**

113	An Allocation Model for Automatic Assignment Generation and Marking	Alexei Tretiakov & Kinshuk
75	The Generative Aspect of Design Theory	P. Clint Rogers, Su-Ling Hsueh & Andrew S. Gibbons
240	eLearning Assessment Through Textual Analysis of Class Discussions	Yi-fang Brook Wu & Xin Chen
251	Instructional Design Using Component-Based Development and Learning Object Classification	Noppamas Pukkhem & Wiwat Vatanawood
300	A Learning Strategy of Student Question Generation to Enhance Comprehension of Learning Materials in Digital Classroom Environment	Sung-Bin Chang, Kuan-Jung Tung & Tak-Wai Chan
396	Motivation Techniques in eLearning	Carmen Taran

Session 17: Wednesday 6 July 2005 (9:00-18:00) - International Workshop on Technology for Education in Developing Countries

[Auditorium]

Chair: Erkki Sutinen

The audience of the workshop will be divided into working groups. Each paper session is adopted by one working group which makes notes of the presentations and gives feedback at the end of the day. The working groups will be provided by a set of questions to help them to orient their observations. The working groups, coordinated by their chosen chairs, are supposed to submit their comments to be later published on the TEDC website.

9:00 - 9:20		Strategies for designing & building educational software for multipurpose, low-cost, handheld devices	Elliot Soloway and Cathie Norris	Invited Speech
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9:20- 10:45 Paper session 1: Existing solutions: from games to platforms

The papers describe existing solutions. The working group is expected to contribute by pointing out how they could be used in other contexts and how the solutions could be developed further by research.

9:20 - 9:30	451	The c-cards game: a versatile learning object	Andrea Valente	Full Paper
9:30 - 9:40	252	Study on Developing a Multimedia Digital Material for Tourism English	Shu-Chiao Tsai & Jay Lee	Full Paper
9:40 - 9:50	54	Experiencing Open Knowledge the OOPS Way	Meng-Fen Lin & Luc Chu	Full Paper
9:50 - 10:00	283	The Use of E-Learning towards New Learning Paradigm: Case Study Student Centered E-Learning Environment at Faculty of Computer Science - University of Indonesia	Zainal A. Hasibuan & Harry B. Santoso	Full Paper
10:00 - 10:30		Discussion		

11:30-12:45 Paper session 2: Strategies and programs for ICT in education

The papers introduce strategic decisions and programs to integrate ICT in education, in a particular context. The working group should help the presenters to concretize and focus these programs, to sharpen the use of ICT for development, so that the introduced strategies could be generalized even beyond their original settings.

11:30 - 11:40	23	From “Small Wins” to “Big Wins”: Strategic Principles for the Development of Digital Educational Resources and	Lina Markauskaite	Full Paper
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Integration of ICT across Curricula in Small Developing Countries				
11:40 - 11:50	379	Is it eLearning a viable solution in Romania?	Radu VasIU, Nicolae Robu, Diana And one & Marian Bucos	Full Paper
11:50 - 12:00	364	Teacher Education in Bhutan: Improving Access and Quality Through the Use of ICTs	Mark Bullen & Sangay Jamtsho	Full Paper
12:00 - 12:30		Discussion		

14:30-15:45 Paper session 3: Case studies in chosen settings

The session presents concrete studies with clearly stated methodologies. The working group is supposed to analyze the studies from the methodological point of view, and provide the authors with comments on how to strengthen . deepen, expand, or concretize their approaches.

14:30 - 14:40	34	Powerful Learning Environments and the Development of Technical Expertise in Ghana: Investigating the Moderating Effect of Instructional Conceptions	Frederick Kwaku Sarfo & Jan Elen	Full Paper
14:40 - 14:50	66	State of ICT Security Management in the Institutions of Higher Learning in Developing Countries: Tanzania Case Study	Jabiri Kuwe Bakari, Charles N. Tarimo, Louise Yngström & Christer Magnusson	Full Paper
14:50 - 15:00	399	In Search of the Point-of-Contact: Contextualized Technology Refreshes ICT Teaching in Tanzania	Henrik Hautop Lund, Jacob Nielsen, Erkki Sutinen & Mikko Vesisenaho	Full Paper
15:00 - 15:30		Discussion		

16:00-17:00 Paper session 4: Research plans

The research plans are exciting starting points for studies or investigations to be carried out in the near future. The working group members are invited to cross-fertilize these plans by relating them to their own contexts. In addition, methodological remarks are awaited.

16:00 - 16:10	349	Building human capacity locally through hybrid distance learning: A Haitian case	Sara Naab	Full Paper
16:10 - 16:20	424	Informal Health and Legal Rights Education in Rural, Agricultural Communities Using Mobile Devices	Jaspal S. Sandhu, Jonathan Hey, Catherine Newman & Alice M. Agogino	Full Paper
16:20 - 16:30	417	Designing Educational Technology for Developing Regions: Some Preliminary Hypotheses	Matthew Kam, Divya Ramachandran, Urvashi Sahni & John Canny	Full Paper
16:30 - 17:00		Discussion		

17:00-17:15 Poster presentations

17:00 - 17:05	39	A Multiverse of Systems: Global Challenges for Educational Technology	Timothy Barker	Poster Paper
17:05 - 17:10	45	Introversion and the implication of intelligent tutoring systems: A lesson from Arab Students	Amal Al-Dujaily, Hokyoung Ryu, Kamal	Poster Paper
17:10 - 17:15	71	An Open Source Platform for Educators	Cheng-chao Su	Poster Paper

17:15-17:55 Feedback by the working groups

17:15 Existing solutions: from games to platforms

17:25 Strategies and programs for ICT in education

17:35 Case studies in chosen settings

17:45 Research plans

17:55-18:00 Wrap-up

Posters 1: Wednesday 6 July 2005 (10:30-11:30) [2nd Floor lounge]

[Poster display boards are 180 cm X 75 cm. Please bring blue tack to stick your posters on the boards. There will be no power connection and no Internet connection for poster displays.]

3	English Class on the Air: Mobile Language Learning with Cell Phones	Timothy G. Collins
4	Exploring Gender Effects on the Spatial Probability Measure	David Richard Moore
21	Applying Interactive Mobile Teaching Agent to Support E-Learning Platform for Learning Performance Promotion	Chih-Ming Chen, Ming-Chou Liu & Shih-Hsun Hsu
41	The Implementation of an Adaptive Test on the Computer	Gin-Fon Nancy Ju & Alfred Bork
53	Grouping Users' Communities in an Interactive Web-based Learning System: A Data Mining Approach	Christine G. Minetou, Sherry Y. Chen, Xiaohui Liu
58	Trial of Team Activities in an Engineering Design Course with a Web Communication Tool	Kazuya Takemata, Nobuyuki Naoe, Masakatsu Matsuishi, Toshiyuki Yamamoto, Tetsuro Furukawa & Shigeo Matsumoto
86	ShowMe the World: Learning with Global Peers	John Wedman & Laura Diggs
88	An Investigation of a Mobile Learning System in a Digital Filter Course	Wen-Hsiung Wu, Wei-Fan Chen, Yi-Hui Su, Tsung-Li Wang & Te-Jen Su
91	To Support Adaptivity in Agent-Based Learning Systems– The Use of Learning Objects and Learning Style	Shanghua Sun, Mike Joy & Nathan Griffiths
93	Cognitive Apprenticeship-based Object-oriented Software Engineering Education Support Environment	Atsuo Hazeyama, Yoshihide Ogame & Masato Miura
111	Collaborative learning for an online higher education course: a case study	Patrizia Ghislandi & Remo Job
114	Collaborative Virtual Environment Technology for People with Autism	Yufang Cheng, David Moore, Paul McGrath & Yulei Fan
125	Designing for Collaboration in Intelligent Computer Assisted Language Learning	Petter Karlström, Teresa Cerratto Pargman, Robert Ramberg
151	Design and Implementation of an Internet-Based Virtual Lab System for eLearning Support	Paul I-Hai Lin & Melissa Lin
161	A Wireless Emulation Management System for Learning Mandarin Phonetic and Chanjei Morse Code	Cheng-Hong Yang, Li-Yeh Chuang, Shyang-Lung Lin & Chi-Min Wang
162	Development of Cooperative Learning Object based on SCORM	Jeong Young-Sik & Ahn Seong-Hun
163	A General Framework for Automatically Creating Games for Learning	Hsin-Chang Yang

166	Extended Real-time Learning Behavior Mining	Yen-Hung Kuo, Yueh-Min Huang, Juei-Nan Chen & Yu-Lin Jeng
168	Designing Support to Participation in Communities of Practice through Recommender Systems	Maria Teresa A. Gouvêa, Claudia L. R. Motta & Flávia Maria Santoro
171	Design and generation of Collective Educational Activities	Jamal-Eddine Elkhamlichi, Françoise Guegot & Jean-Pierre Pecuchet
179	Can collaborative technologies improve management education?	Marie-Noëlle Bessagnet, Lee Schlenker, Robert Aiken & Pierre Laforcade
183	The Design for a Collaborative System of English as Foreign Language Composition Writing of Senior High School Students in Taiwan	Yi-Fan Chang & Diane L. Schallert
185	Toward a Graphical Analysis Tool for Computer-Assisted Assessment of Visual Search Patterns	Ho-Chuan Huang & Tsui-Ying Wang
186	A Learning Diagnosis Architecture with a Bayesian Network Approach	Ho-Chuan Huang & Tsui-Ying Wang
205	Mobile Distributed e-Learning Center	Ivan Ganchev, Stanimir Stojanov & Máirtín O'Droma
214	The Design of a Diagnosis System for Problem Posing	Sheng-Cheng Hsu, Shih-Hung Wu, Wing-Kwong Wong, Hsi-Hsun Yang & Wen-Lian Hsu
223	Modelling the Learning Transaction	Lester Gilbert, Yee-Wai Sim & Chu Wang
231	Development of the e-Notebook System that can Save relation between Learning Contents and Web Pages	Jun Ito & Hitoshi Sasaki
233	Modeling of Process-Oriented Learning Designs	Olivera Marjanovic
239	Japanese Learning System for Chinese Native Speakers - Development of Database for Learning Kanji Which Have Difference between Chinese and Japanese -	Sa Lu, Naoko Yamashita, Hiroyuki Tominaga, Toshihiro Hayashi & Toshinori Yamasaki

Session 18: Wednesday 6 July 2005 (11:30-12:30) - Adaptivity in Learning Systems [Room 103]

Chair: Hugh Davis

343	'First Aid for You': Getting to know your Learning Style using Machine Learning	Declan Kelly & Brendan Tangney
347	Integration of Transfer of Learning to the Adaptive Learning	Wen-Ting Chen, Jung-Chuan Yen & Man-Kwan Shan

	Environment	
358	An Adaptive WWW-based System to teach British Sign Language	James Ohene-Djan & Saduf Naqvi
448	On the way of an ideal learning system adaptive to the learner and her context	Telmo Zarraonandia, Camino Fernandez, Paloma Diaz & Jorge Torres

Session 19: Wednesday 6 July 2005 (11:30-12:30) - Concretizing Technologies (e.g. Robotics) in Learning [Room 203]

Chair: Erkki Sutinen

198	Teaching (with) Robots in Secondary Schools: some new and not-so-new Pedagogical problems	Vassilios Dagdilelis, Maya Sartatzemi & Katerina Kagani
336	WebMODE: A Framework for Development of Web-based Tools for Management of Educational Activities	Elaine Quintino da Silva & Dilvan de Abreu Moreira
348	Kids' Club Reborn: Evolution of Activities	Pasi J. Eronen, Ilkka Jormanainen, Erkki Sutinen & Marjo Virnes
350	A Kids' Club Model for Innovation Creation between Business Life and School Students; the Intelligent Door Project	Pasi J. Eronen, Ilkka Jormanainen, Erkki Sutinen & Marjo Virnes

Session 20: Wednesday 6 July 2005 (11:30-12:30) - Educational Modelling Languages [Room 204]

Chair: Rob Koper

225	The Didactical Object Model: Managing Didactical Expertise	Jan M .Pawlowski
287	On the Development and Implementation of a Sequencing Engine for IMS Learning Design Specification	Meng-Che Chen, Chien-Tsun Chen, Yu Chin Cheng & Chin-Yun Hsieh
292	Modeling Language for Supporting Portfolio Assessment	Yasuhiko Morimoto, Maomi Ueno, Masayuki Takahashi, Setsuo Yokoyama & Youzou Miyadera
324	Towards a UML-based Educational Modeling Language	Pierre Laforcade

Session 21: Wednesday 6 July 2005 (13:30-14:15) - Keynote Speech - Learning Design: state-of-the-art and future developments (Rob Koper) [Auditorium]

Chair: Demetrios G. Sampson

Session 22: Wednesday 6 July 2005 (14:30-18:00) - Workshop: Tablet PCs in Engineering Education [Room 103]

Chairs: Joseph G. Tront, Jane Prey, Patricia McCarthy and Brandon Muramatsu

Session 23: Wednesday 6 July 2005 (14:30-15:30) - Artificial Intelligence Tools for Contextual Learning [Room 203]

Chair: Tomoo Inoue

294	Using Explanations of Agents to Increase Understanding of Simulations for Tutoring Police Allocation	Eurico Vasconcelos & Vasco Furtado
326	Designing an Ontology-based Intelligent Tutoring Agent with Instant Messaging	Min-Yuh Day, Chun-Hung Lu, Jin-Tan David Yang, Guey-Fa Chiou, Chong-Shyong Ong & Wen-Lian Hsu
378	Candlestick Tutor: An Intelligent Tool for Investment Knowledge Learning and Sharing	Chiung-Hon Leon Lee, WenSung Chen & Alan Liu
104	Building software agents to assist teaching in distance learning environments	Sheung-On Choy, Sin-Chun Ng & Yiu-Chung Tsang

Session 24: Wednesday 6 July 2005 (14:30-15:30) - Learning Objects for Personalised Learning [Room 204]

Chair: Darina Dicheva

83	A Classification-based Framework for Learning Object Assembly	Roderick A. Farmer & Baden Hughes
169	A Real-time Personalization Service for SCORM	Nor Aniza Abdullah & Hugh C Davis
331	Use cases of heterogeneous learning ontologies	Amel Bouzeghoub & Claire Lecocq
411	Designing Intelligent Learning Objects	John W. Stamey, Jr., Bryan T. Saunders & William V. Deluca

Session 25: Wednesday 6 July 2005 (16:00-18:00) - Interactive Learning Systems [Room 203]

Chair: Olivera Marjanovic

291	Intelligent Visual Reasoning Tutor	Eric Wang & Yong Se Kim
351	WIPE – Pilot Testing and Comparative Evaluation	Vassilios Efopoulos, Georgios Evangelidis & Vassilios Dagdilelis

405	Designing Web-based Interactive Learning Environments for Problem-based Learning	Lin Qiu & Christopher K. Riesbeck
445	Enhancing Computer Mediated Communication in Virtual Learning Environments	Georgios A. Dafoulas
12	ActiveTutor	Jean-Pierre Fournier
48	Developing a Computer-Based Customizable Self-Contained Concept Mapping for Taiwanese History Education	Jeng-Yi Tzeng
87	A Study on Learning Effect among Different Learning Styles in a Web-based Lab of Science at Elementary Schools	Koun-tem Sun, Yuan-cherng Lin, Chia-jui Yu & Sheng-Bin Li
118	A Software Evaluation Approach Based on Vergnaud's Conceptual Fields Theory	Maria de Fátima C. de Souza, Mauro C. Pequeno, José Aires C. Filho & Cidcley T. de Souza

Session 26: Wednesday 6 July 2005 (16:00-18:00) - Using Metadata to Promote Reusability and Accessibility of Educational Content [Room 204]

Chair: Demetrios G. Sampson

216	Content Metadata Application and Packaging Service (CMAPS) – Innovative Framework for Producing SCORM-compliant e-Learning Content	Radoslav Andreev, Ivan Ganchev & Máirtín O'Droma
226	A Framework to Design Quality-Based Learning Objects	Bruno Defude & Ramzi Farhat
235	The Combination of Different Modalities in the Web-Based Learning Environment: A Comparative Analysis of the Perceptual Instructional Outcomes	Parveen Kaur, Hanafi Atan, Soon Fook Fong, Rozhan M Idrus & Hisham Dzakiria
436	An Architectural Approach for Supporting Accessible Hypermedia in Web-based Learning Systems	Pythagoras Karampiperis & Demetrios Sampson
123	YAI: Creation of Open Learning Resources by Aggregating Metadata to Shared Educational Contents	Osmar Mantovani & Hans Liesenberg
155	E-learning teaching material support system for public vocational training	Norikatsu Fujita, Toshihiro Hayashi & Toshinori Yamasaki
428	Sharing and Reusing Learning Experiences – the Knowledge Management Perspective	Olivera Marjanovic

Session 27: Thursday 7 July 2005 (9:00-10:30) - Mobile Learning Applications [Room 103]**Chair: Hiroaki Ogata**

237	Mobile Learning: Current Trend and Future Challenges	Robert Yu-Liang Ting
437	Mobile Learning Supported by Learning Passport	Chih Hung Lai, Jie Chi Yang, Jing San Liang & Tak Wai Chan
227	Mobile Learning System Using the ARCS Strategies	Young-Kwon Bae, Jin-Sook Lim & Tae-Wuk Lee
333	Student Attributes in PDA-Utilized Classes	Din Jong, Tzong-Song Wang & Bey-Fen Lee
345	Exploring the course development model for the mobile learning context: A preliminary study	I-Hsueh Tsai, Shelley Shwu-Ching Young & Chia-Hang Liang
325	A Ubiquitous Information Technology Framework Using RFID to Support Students' Learning	J. Wey Chen

Session 28: Thursday 7 July 2005 (9:00-10:30) - Educational Paradigms [Room 203]**Chair: Ruth Raitman**

115	Security in the Online E-learning Environment	Ruth Raitman, Leanne Ngo, Naomi Augar & Wanlei Zhou
26	Computer Games as a Teaching Strategy	Jorge Zavaleta, Macário Costa, Maria T. Gouvêa & Cabral Lima
464	Concept Maps and Learning Objects	Leonel Iriarte Navarro, Manuel Marco Such, Daniel Morón Martín, Carlos Pérez Sancho & Pedro Pernías Peco
218	Supporting Active Learning Through Game-like Exercises	Maria Fasli & Michael Michalakopoulos
462	Securing Organisational Internal E-learning Development	Charles A. Shoniregun, Paul Smith, Alex Logvynovskiy & Vyacheslav Grebenyuk
288	Curriculum Container System: A system to support curriculum and learning activity management	Yu-Ting Wu, Yang-Ming Ku, Yen-Hua Chen, Jung-Feng Wu, Tak-Wai Chan & Jen-Han Wang

Session 29: Thursday 7 July 2005 (9:00-10:30) - Interactive Learning Systems [Room 205]**Chair: Toshio Okamoto**

192	The Community-Based Intelligent e-Learning System	Sang-Mok Jeong & Ki-Sang Song
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334	Smart Program Visualization Technologies: Planning a Next Step	Roman Bednarik, Andrés Moreno, Niko Myller & Erkki Sutinen
33	Using agents and simulation to develop adequate thinking styles	Dai-Yi Wang, Zong-Han Wu, Chuen-Tsai Sun & Sunny S. J. Lin
415	Animated Pedagogical Agent based on Decision Tree for e-Learning	Maomi Ueno
394	Design of the Information Sharing Mechanism in Supporting Students' Collaborative Learning in PBL Environment	Yueh Hsiu-Ping & Lin Wei-Jane
453	A SCORM-compliant Ubi-learning Grid by Employing CC/PP	Ching-Jung Liao, David Jin-Tan Yang, Chung-Yueh Sun & Yi-Han Chen

Session 30: Thursday 7 July 2005 (9:00-12:30) - International Conference on Educational Technology in Cultural Context (ETCC)
[Room 204]

Chair: Wolfram Laaser

9:00 - 9:15		Introduction and welcome to the conference	Wolfram Laaser
9:15 - 9:30		Educational Technology in Cultural Context A PhD Program at Joensuu University, Finland	Erkki Sutinen
9:30 - 10:00	11	A Virtual Predictive Keyboard as a Learning Aid for People with Neuro-motor Disorders	Animesh Mukherjee, Samit Bhattacharya, Prankrishna Halder & Anupam Basu
10:00 - 10:30	15	Taiwanese EFL Learners' Online Language Learning Strategies	Yu-Chih Doris Shih
11:00 - 11:30	55	Widening access, narrowing curriculum: is the expectation of software training changing the culture within visual communications higher education?	Lindsey Marshall & Lester Meachem
11:30 - 12:00	257	CSCL for NGO's Cross Cultural Virtual Teams in Africa: An Ethiopian Children Advocacy Case Study against Exclusion and toward Facilitation of Expression, Innovation and Creativity	Rody R. Klein, Rafik Letaief, Sam Carter, Ghislaine Chabert, Johanna Lasonen & Todd Lubart
12:00 - 12:30	466	The Pedagogical Benefits of Stepping Outside the Perspective Paradigm: Challenging the Ubiquity of Western Visual Culture	Theodor G Wyeld

Posters 2: Thursday 7 July 2005 (10:30-11:30) [2nd Floor lounge]**[Poster display boards are 180 cm X 75 cm. Please bring blue tack to stick your posters on the boards. There will be no power connection and no Internet connection for poster displays.]**

242	Interactivities in Music Intelligent Tutoring System	Somnuk Phon-Amnuaisuk & Keh-Siong Chee
249	Grouping and Interactive Learning Mechanism for Mathematics Learning Programs	Po-How Chang, Tun-Wen Pai & Lee-Jyi Wang
255	An Architecture of Virtual Environment for E-Learning (AVEE)	Fu-Min Huang & Ming Chao
261	EduBingo: A Bingo-like System for Skill Building	Hui-Chun Liao, Yi-Chan Deng, Mong-Chen Chiang, Han-Zen Chang & Tak-Wai Chan
262	Application of instant message system in cooperative learning	Shih-chen Hsieh & Yu-chen Hsu
267	Force feedback slider (FFS): Interactive device for learning system dynamics	Adjan Kretz, Remo Huber & Morten Fjeld
270	TAM Reasons for Gender Treason in Technology Change	Tzong-Song Wang, Hsu-Jung Liu & Din Jong
298	C-cards in Music Education	Andrea Valente & Kirstin Lyon
299	Navigation System of Japanese folding paper based on the 3DCG animation	Naoki Sone & Yoshiaki Shindo
301	The use of an Adaptive Hypermedia Learning System to support a new pedagogical model	Constatino Martins, Isabel Azevedo & Carlos Vaz de Carvalho
305	A system that helps learning web services	Jinhyun Ahn & Seongbin Park
306	Application of the UML in modeling SCORM-conformant Contents	Shueh-Cheng Hu
309	The Anatomy of an Active Multimodal Presentation in Educational Contexts	Roger Hartley, Adel Elsayed & Milena Pesheva
316	A Standardized Visual Web-based Courseware Authoring System	Di Wu, Zongkai Yang & Wenqing Cheng
327	An Evaluation Model for e-Learning Websites in Thailand University	Ratchakoon Pruengkarn, Prasong Praneetpolgrang & Anongnart Srivihok
329	The Web-Based Performance Support System for Enhancing School Based Curriculum Development	Yih-Ruey Juang, Tzu-Chien Liu & Tak-Wai Chan

346	Joyce: A Multi-Player Game on One-on-one Digital Classroom Environment for Practicing Fractions	Kuang-Cheng Feng, Ben Chang, Chih-Hung Lai & Tak-Wai Chan
368	CSCL for Community Building and Digital Equity	C. Candace Chou
370	A role-based approach to group support in a collaborative learning environment	Henri Eberspacher & Michelle Joab
380	TIPS: A JiTT & PI Pedagogical Method with Handheld Computer as Mediating Tools	Yu-Fen Chen, Wen-Hsin Lin, Sung-Bin Chang, Chen-Chung Liu & Tak-Wai Chan
382	The Design and Implementation of an Adaptive Mobile Learning Mechanism	Hsu-Yang Kung & Ming-Yao Wu
392	A Proposal for Modeling Learner Interaction in Educational Adaptive Hypermedia Systems Driven by a Pedagogical Model	José M. Parente Oliveira, Eveline Fernandes, Liliane Nogueira, Daniel Maia, Jeane Teixeira, Clovis Torres Fernandes & Douglas Galante
409	Learning from the Pitfalls of a Case Sharing Web	Shihkuan Hsu
416	Proposal of a map-making system for mobile learning that uses subjective geographic recognition	Tomoo Inoue, Yuri Yamamoto, Keisuke Nakazawa, Hiroshi Shigeno & Kenichi Okada
418	Language in Action: Applying Mobile Classroom in Foreign language Learning	Yuhsun Edward Shih
421	The Effect of Interactivity on Web-based Instruction Learners' Attitude, Satisfaction, and Performances	Juei-Ni Sun & Yu-chen Hsu
443	Enriching a Pedagogical Model for the Implementation of a Virtual Training Environment	Mike Mimirinis & Georgios A. Dafoulas
456	The Validation of a Measurement Instrument: Teachers' Attitudes toward the use of Mobile Technologies in the Classroom	Christina C. Chao
458	Indigenous Multimedia Content Development for Next Generation Smart Schools: A Cognitive Instructional Design Approach	Halimah Badioze Zaman, Norhayati Abdul Mukti, Tengku Mohd T. Sembok & Azlina Ahmad
460	Designing A Multimedia-based Cognitive Tool for Solving Word Problems Involving Fractions	Azlina Ahmad, Siti Salwah Salim & Roziati Zainuddin
465	Development of an Interactive e-Learning System to Improve Manufacturing Technology Education	Min Jou, Han-Wei Zhang & Chia-Wan Lin

Session 31: Thursday 7 July 2005 (11:30-12:30) - Invited Speech - Learner-Centered, Interface Design Strategies (Elliot Soloway and Cathie Norris) [Room 103]

Chair: Carmen Taran

Session 32: Thursday 7 July 2005 (11:30-12:30) - Instructional Design Theories [Room 203]

Chair: Eshaa M. Alkhalifa

363	An e-Learning Systems Engineering Methodology	Lester Gilbert, Chu Wang & Yee-Wai Sim
369	FODEM: A formative method for developing digital learning environments in sparse learning communities	Jarkko Suhonen & Erkki Sutinen
419	Investigating the Interaction between Learner Cognitive Styles and Two Multi-Media Teaching Styles	Eshaa M. Alkhalifa
76	A Situated Learning Perspective on Learning Object Design	Roderick A. Farmer & Baden Hughes

Session 33: Thursday 7 July 2005 (11:30-12:30) - Media for Learning in Multicultural Settings [Room 205]

Chair: Dietrich Albert

357	TOKA: A Computer Assisted Assessment Tool Integrated in a Real Use Context	Mikel Kerejeta, Mikel Larrañaga, Urko Rueda, Ana Arruarte & Jon.A. Elorriaga
40	Interactive Tool-based Production of Multilingual Teaching and Learning Materials	Klaus Bothe & Sam Joachim
413	Video Tablet Based on Stereo Camera - Human-friendly handwritten capturing system for educational use -	Makoto Moriya, Toshihiro Hayashi, Hiroyuki Tominaga & Toshinori Ymasaki
297	Computer Apology: The Effect of the Apologetic Feedback on Users in Computerized Environment	Mahir Akgun, Kursat Cagiltay & Jeng-Yi Tzeng

Session 34: Thursday 7 July 2005 (13:30-14:15) - Keynote Speech - Technologies for teaching and learning: standards and varieties
 (Katherine Sinitisa) [Auditorium]
Chair: Nian Shing Chen

Session 35: Thursday 7 July 2005 (14:30-18:00) - Workshop: International Workshop on Applications of Semantic Web Technologies for E-Learning (SW-EL) [Room 103]

Chairs: Lora Aroyo and Darina Dicheva

W3-1	Ontologies for Reusing Learning Object Content	Dragan Gašević, Jelena Jovanović, Vladan Devedžić & Marko Bošković
W3-2	Flexible and Exploratory Learning by Polyscopic Topic Maps	Dino Karabeg, Rolf Guescini & Tommy W. Nordeng
W3-3	Phoenix Tool: A Support to Semantic Learning Model	Emmanuel Fernandes, Hend Madhour, Sami Miniaoui & Maia Wentland Forte
W3-4	Visualizing Topic Maps for e-Learning	Darina Dicheva, Christo Dichev & Dandan Wang
W3-5	Empirical Validation of Concept Maps: Preliminary Methodological Considerations	Dietrich Albert & Christina M. Steiner
W3-6	Semantic Grid based e-Learning using the Knowledge Life Cycle	Feng Tao, David Millard, Arouna Woukeu & Hugh Davis
W3-7	Discovery Service for User Models in a Multi-application Context	Vadim Chepegin, Lora Aroyo & Paul De Bra

Session 36: Thursday 7 July 2005 (14:30-15:30) - Interactive Learning Systems [Room 203]

Chair: Mark Bullen

422	Developing a Teaching Supporting Tool based on Electronic Portfolio, Agents and Intelligent Tutoring System	Debora Maria Coelho Nascimento, Arturo Hernández-Domínguez & Aleksandra do Socorro Silva
146	Online Electronics Circuits Experimental System with Embedded Server	Zheyang Li & Wenson Pan
153	A Dynamic Geometry Environment for Learning Theorem Proving	Wing-Kwong Wong, Bo-Yu Chan & Sheng-Kai Yin

Session 37: Thursday 7 July 2005 (14:30-15:30) - Adaptivity in Learning Systems [Room 205]

Chair: Jon A. Elorriaga

274	Multi-learner System towards an Efficient E-learning System	Mohammed A. Razek, Claude Frasson & Marc Kaltenbach
133	A Web Services Approach to Learning Path Composition	Rachid Anane, Behzad Bordbar, Fanyu Deng & Robert J. Hendley
315	Applying Adaptive Hypermedia Technologies to a Learning Tool	Keewoo Lee, Hyosook Jung & Seongbin Park
330	LM-DTM: An Environment for XML-Based, LIP/PAPI-Compliant Deployment, Transformation and Matching of Learner Models	Mohamed Amine Chatti, Ralf Klamma, Christoph Quix & David Kensche

Session 38: Thursday 7 July 2005 (14:30-15:30) - Artificial Intelligence Tools for Contextual Learning [Room 204]

Chair: Tomoo Inoue

224	InteliWeb: Adaptation of the Self-Efficacy in an Intelligent e-Learning System	Francine-Bica, Regina-Verdin, & Rosa Maria-Vicari
430	A Novel Approach for Composing Test Sheets from Large Item Banks to Meet Multiple Assessment Criteria	Gwo-Jen Hwang, Peng-Yeng Yin, Gwo-Haur Hwang & Ying Chan
215	Multi-Media Semantics Contextualisation for Knowledge-Oriented e-Learning	Weihong Huang, Emmanuel Eze
150	Rating Learning Object Quality with Distributed Bayesian Belief Networks: the why and the how	Vive Kumar, John Nesbit & Kate Han

Session 39: Thursday 7 July 2005 (16:00-18:00) - Interactive Learning Systems [Room 203]

Chair: Toshio Okamoto

159	PuzzleView Activities: Encouraging Participation in Mobile Computer Support Collaborative Learning	Yi-Chan Deng, Sung-Bin Chang, Min-Tza Hu & Tak-Wai Chan
182	Input Design in Interactive Learning Environment T-Algebra	Marina Issakova, Dmitri Lepp & Rein Prank
204	What is it to be a digital student in a British university?	Diana Andone, Chris Boyne, Jon Dron & Lyn Pemberton
208	An Online Pronunciation Training Support System Designed for Japanese Learners of English	Wang Shudong & Michael Higgins
210	Research on Initializing Student Model	Zhao Chengling, Sun Zhimei, Liu Qingtang, Shang Chaowang & Shen Dandan

232	Integrating Wireless Technology in Pocket Electronic Dictionary to Enhance Language Learning	Jen-Kai Liang, Tzu-Chien Liu, Hsue-Yie Wang & Tak-Wai Chan
265	Bringing Off-campus Students to the Digital Classroom Environment: The Design and Use of MSIE System	Han-Zen Chang, Yi-Chan Deng, Mong-Chen Chiang, Hui-Chun Liao & Tak-Wai Chan
314	An environment to learn language by simulation	Johan Michel & Jérôme Lehuen

Session 40: Thursday 7 July 2005 (16:00-18:00) - Technology-Facilitated Learning in Complex Domains [Room 205]

Chair: Maomi Ueno

99	A System Designed to Support Formative Assessment of Open-Ended Written Assignments	Jun Zhang & Eva Heinrich
78	Providing Supplemental Teaching Materials in Order based on the Rough Set Theory	Kun-Fa Cheng, Alex Chang, Maiga Chang & Jia-Sheng Heh
80	Determinants of and Dilemmas Related to Inquiry-Based Science Activities Using Handheld Computers and Probeware in Benin, West Africa	Issaou Gado & Mark van 't Hooft
97	Assessing the Effectiveness of Online Asynchronous Case Method	Charlie C. Chen, Rong-An Shang & Yen-Chieh Yu
100	Use of Social Practice Theory to interpret mandatory student use of laptops in learning: analysis of ten undergraduate business courses	Lorraine Fisher, Martin Butler, Peter Keenan & Geraldine O'Neill
131	On Teaching Business Decision-Making in Complex Domains	Mikael Collan & Timo Lainema
158	Adding Culture to Context: Extending the Boundaries in Multimedia Design for Senior Management Education	Susan J. Jones & Gilbert Cockton
246	Digital Storytelling in Higher Education: A Case Study in a Civil Engineering Laboratory	Zafer I. Sakka & Imran A. Zualkernan

Session 41: Thursday 7 July 2005 (16:00-18:00) - Building Learning Communities [Room 204]

Chair: Peter Goodyear

339	Sharing Web-based Multimedia Learning Objects Using NNTP News Architecture	Liang-Kao Chang, Kuo-Yu Liu, Chien-An Wu & Heng-Yow Chen
447	The Role of Feedback in Online Learning Communities	Georgios A. Dafoulas
137	Analyzing critical thinking and factors influencing interactions in	Bao-Yu Hu & Jin-Tan Yang

	online discussion forum	
259	An Empirical Exploration of Using Wiki in an English as a Second Language Course	Hao-Chuan Wang, Chun-Hung Lu, Jun-Yi Yang, Hsin-Wen Hu, Guey-Fa Chiou, Yueh-Tzu Chiang & Wen-Lian Hsu
344	A Web-based Bookmark System with Ontological Approach for Group Content Sharing	Jin Tan Yang, Wu Lin Lee & Chiu Yen Hwang
389	Blog to support learning in the field: lessons learned from a fiasco	Monica Divitini, Ove Haugaløkken & Eli M. Morken
439	ASK-eEDCOM: Enhancing Educational Portals through capturing collective knowledge of Web-Based Learning Communities	Demetrios Sampson
5	The Use of Groups in Virtual/Digital Environment	Maria de Fátima Webber do Prado Lima & Liane Margarida Rockenbach Tarouco

<p>Buses to Grand Hotel for Conference Banquet (18:00) Conference Banquet - Grant Hotel (19:00 - 21:00) Buses from Grand Hotel to identified hotels (21:00)</p>

Session 42: Friday 8 July 2005 (9:00-12:30) - Workshop - The Development of Active Multimodal Presentations [Room 103]

Chairs: Adel Elsayed, Roger Hartley and Milena Pesheva

W2-1	Active Multimodal Presentations, an overview	Adel Elsayed
W2-2	Developing Active Multimodal Presentations	Milena Pesheva
W2-3	Active Multimodal Presentations (AMPs), Instructional Designs and Learner Autonomy	Roger Hartley

Session 43: Friday 8 July 2005 (9:00-10:30) - Information Retrieval and Visualization Methods for Learning [Room 203]

Chair: Mark Bullen

203	Portfolio Search Engine Based on Personal Construct System	Chen-Chung Liu, Ping-Hsing Don, Ren-Zuo You & Baw-Jhiune Liu
256	A Study on Searching and Recommending SCORM CPs by Ontological Support	Jin Tan Yang, Min Jey Hwang & Yuan Fong Chu
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	Computer-Based Multimedia on Learners with Different Spatial Abilities	Fook Fong, Hanafi Atan & Rozhan M Idrus
282	Developing A Knowledge Management Support System for Teaching Database Normalization	Lei Zhang, Roland Kaschek & Kinshuk
398	Force Based Visualizations for Instructor Support	Vasileios Tzoumakas & Babis Theodoulidis
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Session 44: Friday 8 July 2005 (9:00-10:30) - Virtual Spaces for Learning Communities [Room 205]

Chair: Peter Goodyear

178	Help through visualization to compare learners' activities to recommended learning scenarios	Laure France, Jean-Mathias Heraud, Jean-Charles Marty & Thibault Carron
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280	Designing Virtual Spaces to Support Learning Communities and e-Collaboration	Christos Bouras, Eri Giannaka & Thrasivoulos Tsiatsos
340	ACIS: Intergenerational Community Learning Supported by a Hypermedia Afghan Sites and Monuments Database	Ralf Klamma, Marc Spaniol, Matthias Jarke, Yiwei Cao, Michael Jansen & Georgios Toubekis

Session 45: Friday 8 July 2005 (9:00-10:30) - Metadata for Learning Resources [Room 204]

Chair: Katherine Sinita

253	The Design of Learning Object Authoring Tool Based on SCORM	Jaw-Hua Liu, Bing-Shun Huang & Ming Chao
373	Managing the Semantic Aspects of Learning using the Knowledge Life Cycle	Feng Tao, David Millard, Arouna Woukeu & Hugh Davis
397	The impact of metadata on AHKME e-learning platform	Hugo Rego, Tiago Moreira & Francisco José Garcia
32	Using Metadata in Learning Networks	Juha Puustjärvi

Session 46: Friday 8 July 2005 (11:00-12:30) - Peer-to-Peer Learning Applications [Room 203]

Chair: Maomi Ueno

10	MALESAbrair for Problem-based Learning in IT education	Akcell Chiang & Mohd Sapiyan Baba
119	Development of an Assessment Agent to Promote the Learning Effectiveness in a Computer Supported Collaborative Learning Environment	K. Robert Lai & Chung Hsien Lan
140	A Project Mediation Approach to Interdisciplinary Learning	Jyi-Shane Liu & Tze-Kai Huang
323	Experiments of Computer Supported Preparing and Performing Peer Tutoring	Chih-Ti Chen, Emily Ching & Tak-Wai Chan
341	HYDRA: A light-weight, SCORM-based P2P e-Learning Architecture	Imran A. Zualkernan
459	Hybrid Learning and Online Collaborative Enhance Students Performance	Norhayati Abd. Mukti, Dayana Razali, Mohd. Fadzil Ramli, Halimah Badioze Zaman & Azlina Ahmad

Session 47: Friday 8 July 2005 (11:00-12:30) - Educational Paradigms [Room 205]

Chair: Katherine Sinita

190	Formal Logic as a Learning Facilitation Tool	Alexei Tretiakov, Nian-Shing Chen, Kinshuk & Sven Hartmann
147	A Critical Analysis of the Research Methodologies Reported in the Full Papers of the Proceedings of ICALT 2004	Justus Randolph, Roman Bednarik, Pasi Silander, Javier Gonzalez, Nikko Myller & Erkki Sutinen
386	Systemic-Structural Theory of Activity: A Model for Holistic Learning Technology Systems	Hansjörg von Brevem & Kateryna Synytsya
25	From a Static to Dynamic Concept: a Model of ICT Literacy and an Instrument for Self-Assessment	Lina Markauskaite
167	Cyber Schooling Framework: Improving Mobility and Situated Learning	Nian-Shing Chen, Kinshuk & Yi-Hung Wang
374	A Simple Project for Teaching Instruction Set Architecture	Yul Chu

Session 48: Friday 8 July 2005 (11:00-12:30) - Metadata for Learning Resources [Room 204]

Chair: Dietrich Albert

199	Exploiting Concept Mapping in a Semantic Web Environment	Thanasis Giouvanakis, Garyfallos Fragidis, Eyaggelos Kehris & Haido Samaras
273	Metadata for K9 e-Learning in Taiwan: an Application Profile Approach	Ya-ning Chen, Shu-jiun Chen & Ching-ju Cheng

295 Creating Reusable WebQuest Objects with WebQuest Authoring Engine Yuen-Yan Chan

Session 49: Friday 8 July 2005 (14:00-18:00) - Tutorial 1: Standardization of Technology for Computer Supported Collaborative Learning (Toshio Okamoto) [Room 103]

In this tutorial, the following issues are discussed. Especially, we focused on Standardizing Activity on Collaborative Technology in ISO/IEC-JTC1, SC36-WG2.

The three proposals on collaborative technology have already been approved in ISO/IEC-JTC1 SC36, those activities have been conducted in WG2. The three proposals are 1) Collaborative Workplace, 2) Learner to Learner interaction scheme and 3) Agent to Agent architecture. At the moment, the two projects of collaborative workplace and learner to learner are examined under the experts from many countries.

The goals of those activities in order to standardize are as follows:

Independent on any pedagogical/psychological theories in order to warranty interoperability and re-using of learning objects

Common platform to enhance group learning

Functions of Plug-in & data model of learning log-data in order to share and use/operate any application software, learning resources/data and so on for participating from plural learning sites

Accumulating a practical case base of collaborative learning based on instructor's rationale

General description of collaborative learning entity as meta-data

As key technologies related to Collaborative Learning, the following supporting technologies is required from the social computing perspective:

Interactivity with the functions of assimilation/accommodation

Modeling and simulation

Visualization

Sharing windows and operations

Text mining

Monitoring

Agent's roles

Learner modeling

Group modeling

Evoking tools for Reflection and awareness

Development of asynchronous materials/contents

Collaborative tools

Session 50: Friday 8 July 2005 (14:00-18:00) - Tutorial 2: A Sustainable eLearning Ecosystem Model in Post-Secondary Online Education (Vive Kumar) [Room 203]

eLearning is aimed at enriching learning by blending traditional and innovative learning models; conceptualizing courseware in multiple media; standardizing interoperable content representation; personalizing learning experiences to custom learning devices; integrating administrative functionalities with other academic units; and not the least, ensuring the quality of learning. Such a multifaceted ideology is construed as a learning ecosystem where knowledge is constructed among members of the ecosystem by means of a variety of techniques and resources. Sustainability is a key principle in designing the underlying framework of the ecosystem and the co-existence of the functional components. This tutorial addresses a range of issues in eLearning ecosystems, analyzes the challenges, offers solutions from theoretically-grounded practical viewpoints, and consolidates the arguments with real-world systems and contemporary technologies.

Session Objectives

To provide an extensive overview of a multi-faceted learning ecosystem model for online education in the context of a post-secondary institution

To examine the necessary components of a sustainable learning ecosystem

To demonstrate select artifacts which support the learning ecosystem model

To highlight research and development in next-generation eLearning systems

Session 51: Friday 8 July 2005 (14:00-18:00) - Tutorial 3: Smart Design in eLearning Interfaces (Carmen Taran) [Room 204]

The 2004 Industry Report [2] claims that more than 70% of e-learning packages in training organizations involve standalone eLearning, in which the training event happens between the student and the computer. Today's regressive economy impacts training budgets negatively. Consequently, standalone eLearning is considered a viable solution to performance improvement. The problem addressed in this tutorial is that in the field of eLearning, there are no practical and concise guidelines/checklists that help us design and evaluate the effectiveness of eLearning interfaces. How do we know that an eLearning package we complete is designed well? Most current guidelines refer to generic Web design principles but hardly mention those design elements that are conducive to learning online. This tutorial unique content focuses on a concise, practical checklist that identifies three key elements known to assure smart eLearning interfaces: site architecture, content presentation, and instructional design elements.

Given that today's most cost effective and frequently demanded type of eLearning is in the form of standalone Web-based training [2], our industry desperately needs solid guidelines that help us develop and evaluate effective, smart eLearning interfaces. The purpose of this highly interactive and entirely practical tutorial is to teach participants how to a single, practical, and concise checklist that will help them either develop or evaluate eLearning interfaces used in standalone online instruction.

The methodology and guidelines demonstrated in this tutorial spring from the presenter's extensive experience of developing more than 500 eLearning programs for one of the largest telecommunications companies in the world and on her intense academic research completed during

doctorial studies and daily job responsibilities.

The novelty of the tutorial rests on the following facts:

- Participants will be able to answer questions frequently asked in the eLearning field: "How do I know whether an eLearning interface is designed intelligently and it is conducive to learning? What design elements lead to smart eLearning design? Is there a single, practical tool that I can use to help me design/evaluate eLearning interfaces?"
- Participants will have the opportunity to review a multitude of eLearning interfaces that have been collected from real-life applications.
- Most tutorials related to smart interface design refer to generic Web site design (e.g., navigational principles, font types, graphic design, etc.). The collection of screen samples and design guidelines presented in this tutorial refer strictly to eLearning interfaces and instructional design principles as they apply to online training design.
- Participants will walk away with a single repository of principles for smart eLearning design, which is unique for the eLearning field because designers are often faced with a multitude of resources that are either too broad in scope, not related specifically to eLearning, or too lengthy, overwhelming, impractical, or irrelevant to one's job.

Screen samples that will be used to reinforce smart eLearning design are exemplified in the Appendix section of this document. In addition to these static examples, participants will also be asked to evaluate samples of eLearning products that contain animation, audio, and video elements.

Session 52: Friday 8 July 2005 (14:00-18:00) - **Tutorial 4: Designing Highly Adaptive Tutorial learning Units (Alfred Bork and Gin-Fon Nancy Ju)** [Room 205]

This tutorial is designed to introduce teachers and professors to the process of developing highly adaptive learning units. The form of the modules will be modeled after a Socratic tutorial, with frequent questions from the computer and free-form student replies to these questions. The participants will be fully active, both in discussing and in the design by the group of a sample module. The tutorial will end with a discussion of implementation and evaluation of adaptive tutorial modules and with suggestions for future activities for each of the participants.

One of the key factors in learning is that each student is unique, in many different dimensions. So learning strategies and material satisfactory for one student may be inadequate for another student. This is true in both classroom learning and the usual elearning, leading to dropouts and failures.

One classical learning approach, the Socratic tutorial approach, allowed for adapting learning to such individual differences. This has often been the preferred learning approach for the very wealthy, with tutors in the home.

Although very effective in helping learning, such an approach is too expensive for use with large numbers of students. Today, however, we have a new possibility. The computer can be the tutor, leading to affordable effective learning for all students

This system has been under development for over thirty five years. The process is very different than typical instructional design, because we want to design tutorial units that individualize, personalize, learning for each student.

This is a desirable next step forward in e-learning. It might be called a-learning, for adaptive learning. This tutorial will introduce the participants to this method for designing adaptive tutorial learning units. They will design such a unit to illustrate the process.

Conference badge

Please wear your conference badge at all times during the conference. Your badge will serve as your admission ticket to all conference sessions.

Paper session

We have scheduled 20 minutes for full paper presentation and 15 minutes for short paper presentation. Each conference room will have a computer and a video projector for presentations. Also, there will be an assistant in each session to provide technical support. Presenters who have special presentation requests should contact the staff at the Registration / Information Desk. Presentation can be edited in Room 206.

Poster sessions

Poster sessions will be held in Room 207. Each poster will be displayed on the board according to the program schedule. Authors are expected to be present in the display area at their display area at their designated time-slot and be responsible for putting up and taking down their posters.

Message board

A message board for delegates' use will be set up next to the information desk. Delegates are welcome to make use of the message board to facilitate communication with other delegates. Announcements of any changes will be put on the message board.

Lunches

Lunches are included in the conference fee. Lunch will be served in Room 107 & 108. You will find lunch ticket for each day in your conference bag.

Coffee/tea breaks

Coffee/ tea will be served near Information Desk.

Computer room

Computers for checking email are located in the computer room of Room 206.

Welcome reception

On Tuesday evening, July 5, a reception will start at 18:10 and take place at the Entrance of conference venue. There is bus transportation from conference venue to major hotels at 19:45.

Conference banquet

The conference banquet on Thursday evening, July 7, takes place in Grand Hotel. There is bus transportation from conference venue to Grand Hotel at 18:15.

- Dress is informal.

Smoking policy

All meeting rooms in the venue are smoke-free zones.

Educational Technology, Media & Science Journals from Routledge

Learning, Media & Technology
(Formerly Journal of Educational Media)
Editors: Cathy Lewin & Matthew Pearson
Volume 30, 2005, 3 issues per year
Learning, Media & Technology is an interdisciplinary, peer-reviewed journal aiming to stimulate and represent international discussion concerning the research and practice of educational media

Educational Technology Abstracts

Editor: Vivien M. Johnston
Volume 21, 2005, 1 print issue per year; updated monthly online

Educational Technology Abstracts is an international abstracting service designed to identify important recently published material in the technology of education and training.

It is available online as part of the *Educational Research Abstracts online* database
www.tandf.co.uk/era



ALT-J
**Research in Learning
Technology**
published on behalf of the Association for
Learning Technology (ALT)
Editors: Grainne Conole, Martin Oliver & Jane K
Seale
Volume 13, 2005, 3 issues per year

The journal aims to promote good practice in the use of learning technologies in education and industry and facilitate collaboration between practitioners, researchers, and policy makers.

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Kaohsiung

It may not be a world-famous city, but Kaohsiung is making waves internationally, most recently with the announcement that it had won the right to host the 8th World Games.

Sailors from all over the world know Kaohsiung Port intimately. The sixth largest container port in the world, which celebrated its 140th birthday not long ago, welcomes mariners daily and is thus a meeting point where Kaohsiung and the world get to know each another. The city calls itself the world's Ocean Capital, with warm weather and friendly residents.

Kaohsiung is a young city; but while it may embrace progress and development, it is passionate about

preserving historical monuments, among them Lotus Lake in Zuying District, the Dragon and Tiger Pagodas, the biggest Confucius Temple in the nation and the city's first Mazu Temple - the 300-year-old (Jhos) Tienhou Temple - to name just a few.

This is a city that's always undergoing transformation, but urban esthetics remain a top priority. Kaohsiung's architecture is a mix of the modern and the past, reflecting the uniqueness of its culture and history throughout time.

Cultural events take place year-round in Kaohsiung, among them the International Flag and Drum Festival & Kaohsiung Lantern Festival in February, Dragon Boat



Festival in June, the Ocean Carnival in July. Also, in December of alternate years, Kaohsiung celebrates either the International Container Arts Festival or the Kaohsiung International Steel & Iron Sculpture Festival.

The river, ocean and port are Kaohsiung's treasures, influencing the cultural heritage and development of the city. Kaohsiung has a river that's as charming as the

Seine in France. The Love River, named after the Chinese word for love, carries affection and hope through the downtown areas of this extraordinary waterfront city.

Delicious food is another side to this great city. Taiwan is known worldwide for its tasty cuisine. From the finest delicacies in five-star hotels to tasty snacks served up on the streets, Kaohsiung is a gourmet's paradise.

It has wonderful weather, boundless energy and a friendly nature - qualities that make it an ideal venue for the World Games in 2009. Kaohsiung's citizens are willing and able hosts, and warmly welcome everybody to visit their beloved city.





The Sunny, Healthy City of *Kaohsiung*

Kaohsiung is a charming city and is blessed with a sunlit climate all the year round which sets the city apart from others. Health and exercise are the most salient features of Kaohsiung. After becoming known as a friendly city, Kaohsiung also strides toward being recognized as a healthy city - an ambition which is the city government's main goal for the year 2005. In coordination with the preparatory work currently being carried out for hosting the 2009 World Games, plans to cultivate healthy minds, achieve proper sanitation and medical treatment throughout Kaohsiung, will also be put into practice. It is hoped that all citizens will become conscious of their health and exercise regularly.

Kaohsiung citizens look forward to hosting the 2009 World Games. Thus, the city is enthusiastically developing into a "healthy city". Some people might not be familiar with the competition items featured in the World Games since they are not included in the Olympic Games, such as skating, a tug of war, Aikido, etc. There are 34 competition items in Kaohsiung's 2009 World Games. After successfully winning the right to host the 2009

World Games, much preparatory work has been achieved: assigning Dr. Huang Chi-huang as the Sports Director, setting up a official 2009 World Games website and establishing the 2009 World Games Committee in Kaohsiung. The city is thus, well on the way to completing the necessary preparations.

Taiwan has never had any previous experience of holding an international competition above the level of the Asian Games. Hosting the 2009 World Games not only makes Kaohsiung the first city in Taiwan to hold an international games' event, but it also creates a new image of Taiwan. Having already achieved this precedent, Taiwan can therefore host international games in the future. In addition, the precious experience of hosting the 2009 World Games will become the pivot for Taiwan to open the window to the world and allow it to stride forward onto the international stage.

Kaohsiung is developing into a healthy city in accordance with the 2009 World Games. There are various places to exercise all around the city such as pedestrian areas and bicycle paths as well as spaces specifically for general exercise. In the future, there will

be further opportunities for citizens to enjoy exercising throughout the city. It is necessary to promote the idea of a healthy education and culture which will ultimately lead to a healthy society. A healthy mind is also to be considered. It is the ultimate goal of the city to promote the idea of athleticism, which will generate a healthy approach to life. Kaohsiung will not only promote its citizens' physical vigor but will also strengthen bodies both from a mental and physical point of view. The ultimate goal is to encourage everyone to participate in sports activities so that citizens will become strong, healthy and fond of sports. These days, Kaohsiung is not only a beautiful and friendly city, but is also a healthy one, displaying as it does its newly found vitality and health exuberant image.



The Kaohsiung Wireless Network Platform

Kaohsiung will be equipped as an intelligent city in terms of its wireless network environment. The Kaohsiung Wireless Network Platform, which will eventually form a database for public information as well as providing a safer and more convenient life for the residents of Kaohsiung, will facilitate easy access to the internet from high school and senior high school campuses all over the city. Through the Kaohsiung Wireless Network, the safety of Kaohsiung residents will be greatly enhanced, as road safety will be monitored and identification of stolen vehicles easily accessible as well as fire rescue. It is scheduled to be completed by the end of the year.





