



Santander, July 1st-5th 2008

The 8th IEEE International Conference on Advanced Learning Technologies

PROGRAM

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Carlos III de Madrid



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**Laboratorio DEI. Departamento de Informática.
Universidad Carlos III de Madrid
Escuela Técnica Superior de Ingenieros Industriales y de Telecomunicación.
Universidad de Cantabria**

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Full papers (F): 30' (including at least 5' for questions)
Short papers (S): 20' (including at least 5' for questions)
Posters (P): high:150cms X width:90cms

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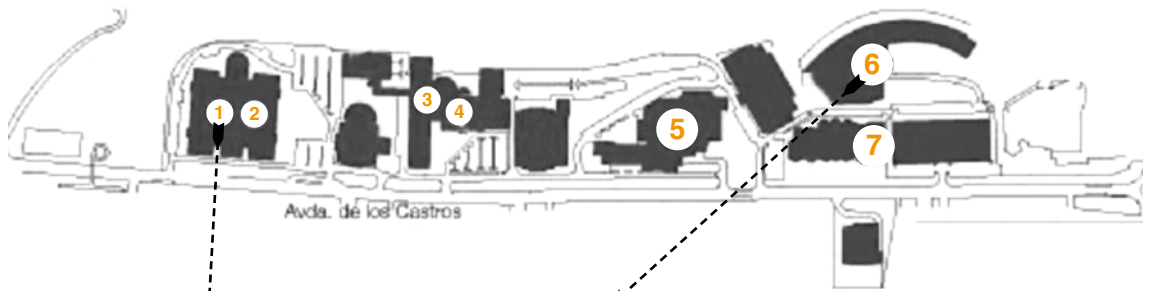
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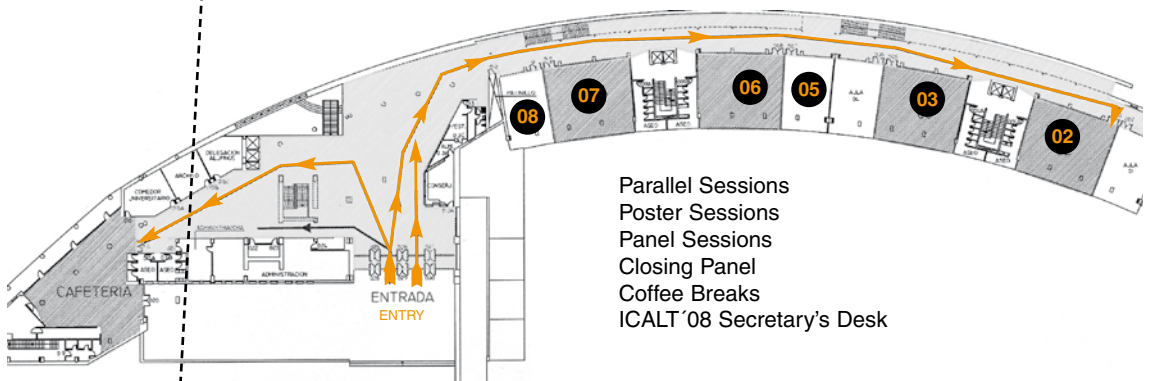
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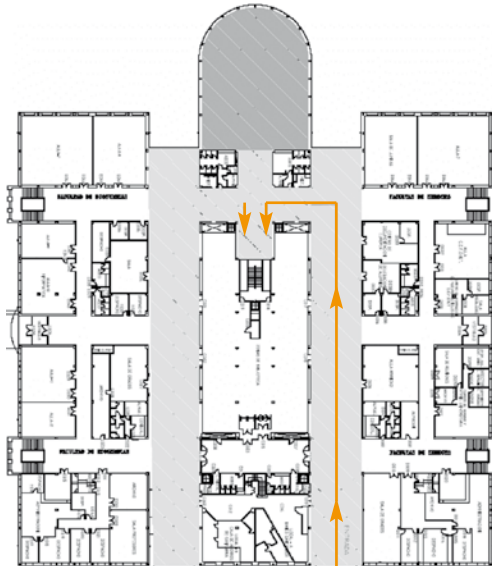
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USEFULL INFORMATION

Identification Badge

Participants and accompanying persons are kindly requested to wear their personal name badge during all Conference events.

Computer Room

Computer room 110C, located on first floor (building 6), is available for ICALT'08 participants.

Message Board

Personal messages and Programme changes will be announced on the message board in the Main Hall near the ICALT'08 Secretary's Desk (building 6).

Social Events

- **Tuesday, July 1st at 20:30h** - Welcome reception Cocktail in the "Royal Caballerizas" at "La Magdalena"
Address: Avda. De la Magdalena. (Península de la Magdalena)



Picture of "The Royal Caballerizas" where the reception will be held.

The Royal Palace and Caballerizas of La Magdalena is the most emblematic building of Santander

In 1908 the City Hall of Santander begins the construction of a Palace for the Kings. The architects Javier Gonzalez Riancho and Gonzalo Bringas Vega are the managers of realizing the project. On August 4th, 1913 there takes place the arrival of His Majesties, to take possession of the new palatial residence.

The Kings spend the summer in Santander for 17 consecutive years until 1930. Alfonso XIII finds in our city the best place to practise his favourite sports, wind and the hunt. Also he plays tennis and from 1915 with the inauguration of the Field of Pole, can practise this sport in La Magdalena.

In 1982 the palace was declared "historical artistic monument".

- **Thursday July 3rd at 21:00h** - Conference dinner at "Gran Casino El Sardinero"
Address: Plaza de Italia, s/n



Built in the twenties, **the Gran Casino Sardinero** is a regal building with big windows and wide terraces with some unbeatable views on the Sardinero Beach and the inlet of the Sardinero. It was Kings Alfonso XIII and Victoria Eugenia's main leisure place during the years they spent their summer in this city

IEEE ICALT 2008 at a glance

	Monday, June 30th	Tuesday, July 1st	Wednesday, July 2nd	Thursday, July 3rd	Friday, July 4th	Saturday, July 5th	
8:30-9:00		Registration Desk	Registration Desk	Registration Desk	Registration Desk		
9:00-10:30		Opening ceremony and Invited Speaker 1	Parallel sessions 3	Parallel sessions 6	Parallel sessions 9	Tutorials	
10:30-10:50		Coffee					
10:50-12:20		Parallel sessions 1	Parallel sessions 4 - WS3	Parallel sessions 7- WS2	Parallel sessions 10 - WS4	Tutorials	
12:30-13:30			Invited Speaker 2	Invited Speaker 3	Invited Speaker 4		
13:30-15:00		Lunch	Lunch	Lunch	Lunch	End	
15:10-16:10	Registration Desk	Posters 1 Panel 1	Posters 2 Panel 2	Posters 3 Panel 3	Parallel sessions 11		
16:10-16:30		Coffee					
16:30-18:30		Parallel sessions 2 - WS 5	Parallel sessions 5- WS 1	Parallel sessions 8	Invited Speaker 5		Closing panel
					End		
18:30		Reception at "La Magdalena"		Conference dinner at "Casino"			

9:00-10:30	Building 1 Salón actos (Auditorium)	<p>Opening session Invited speaker: Prof. John M. Carroll. Pennsylvania State University. Title: Realistic Learning Activity is Not Enough</p>
10:30-10:50	Cafetería	Coffee break
10:50-12:20	Building 6 Room 8	<p>Parallel session 1.a: e-Testing and new test theories Chair: Dragan Gasevic</p> <p>175 F A Meaningful Learning based u-Learning Evaluation Model Po-Sheng Chiu, Yen-Hung Kuo, Yueh-Ming Huang, Tzung-Shi Chen</p> <p>131 F An Algorithm for Automatic Difficulty Level Estimation of Multimedia Mathematical Test Items Irene Cheng, Rui Shen, Anup Basu</p> <p>47 F An original e-testing method for medical learning Liana Stanescu, Dan Burdescu, Anca Ion, Andrei Panus</p> <p>253 F System for Online Detection of Aberrant Responses in E-Testing Maomi Ueno, Toshio Okamoto</p>
	Building 6 Room 7	<p>Parallel session 1.b: HCI for educational systems I Chair: Maria De Marsico</p> <p>57 S HABITAT: A Web Supported Treatment for Acquired Brain Injured Elena Navarro, Víctor López-Jaquero, Francisco Montero</p> <p>205 F Learning Object Virtualization Allowing for Learning Object Assessments and Suggestions for Use Olivier Catteau, Philippe Vidal, Julien Broisin</p> <p>138 F Self-Tutoring, Teaching and Testing: An Intelligent Process Analyzer Irene Cheng, Nathaniel Rossol, Randy Goebel</p> <p>373 F Students' Tracking Data : An Approach for efficiently Tracking Computer Mediated Communications in Distance Learning Madeth May, Sébastien George, Patrick Prévôt</p> <p>303 S Take into account knowledge constraints for design of TEL environments in medical education Vanda Lurngo</p> <p>119 S Building an Interactive Agent with Intention to Increase Students' Learning Will Shiang-Hau Chen, Chih-Wei Chang, Ching-Chi Hsu, Gwo-Dong Chen</p>

<p>10:50-12:20</p>	<p>Building 6 Room 6</p>	<p>Parallel session 1.c: Knowledge management technologies in education Chair: Kinshuk</p> <p>90 S Empowering Web-based Learning with Semantic Web Technologies: The Case of SWLinker Iyad AlAgha, Elizabeth Burd</p> <p>18 F Sharing Existing Knowledge between E-Learning Platforms: Enhancing Interoperability Sergio Martín, Rosario Gil, Francisco García, Miguel Latorre, Martín Llamas, Manuel Caeiro, Manuel Castro and Juan Peire</p> <p>21 S Design and Implementation of Three Different Methods for Announcing Exam Grades on the Web Mohammad Shirali-Shahreza</p> <p>142 S Knowledge Representation for an Automated Normalized Answers Assessment System, Based on Text Comprehension Theories Panagiotis Blitsas, Maria Grigoriadou</p> <p>74 S Mooshak - A Valuable Repository of Codes T. Punitha, R. Pradeep Kumar, R. Seshadri, Raman Srinivasan</p> <p>236 S Supporting cross-institutional knowledge-building with Web 2.0 enhanced digital portfolios Kai Pata, Mart Laanpere</p> <p>222 S Towards a Knowledge Portal for E-Learning based on Semantic Web Yanyan Li, Mingkai Dong</p>
	<p>Building 6 Room 5</p>	<p>Parallel session 1.d: New generations of educational technologies I Chair: Madhumita Bhattacharya</p> <p>299 F A framework to support monitoring and moderation of e-discussions with heterogeneous discussion tools Andreas Harrer, Sabrina Ziebarth, Adam Giemza, Ulrich Hoppe</p> <p>23 F Understanding Complex Systems Using Video Narratives Weiqin Chen, Nils Magnus Djupvik</p> <p>65 F CoScribe: Using Paper for Collaborative Annotations in Lectures Jürgen Steimle, Oliver Brdiczka, Max Mühlhäuser</p> <p>268 F Instructional Domain Analysis: A methodological approach to Service-Oriented Learning David Diez, Camino Fernandez, Juan Manuel Doderó, Paloma Diaz, Ignacio Aedo</p> <p>394 S From 3D virtual museum to 3D collaborative virtual workshop Mikhail Fominykh, Ekaterina Prasolova-Forland, Mikhail Morozov</p>

10:50-12:20	Building 6 Room 3	<p>Parallel session 1.e: Personalized educational systems I Chair: Hugh C. Davis</p> <p>260 F A Learning Environment for Object-Oriented Modeling, Supporting Metacognitive Regulations Mathilde Alonso, Dominique Py, Thierry Lemeunier</p> <p>53 F Communication Model Simulator: Tools for Active Learners Mohamed Hamada</p> <p>220 F Developing a Negotiation-based Intelligent Tutoring System to Support Problem Solving: A Case Study in Role-play Learning Chung Hsien Lan, Chung Cheng Tseng, K. Robert Lai</p> <p>358 F How does a pedagogical agent look at a learner when providing evaluation feedback? Mohamedade Farouk, Jean-Hugues Réty</p> <p>367 F The Role of Emotions in the Design of Personalized Educational Systems Zacharias Lekkas, Nikos Tsianos, Panagiotis Germanakos, Constantinos Mourlas, George Samaras</p>
	Building 6 Room 2	<p>Parallel session 1.f: Real-time assessment of learning and performance I Chair: Demetrios Sampson</p> <p>327 F How to Improve Assessment of Learning and Performance through Interactive Visualization Raquel Hijón-Neira, J. Ángel Velázquez-Iturbide</p> <p>135 S A flexible agent-based observation solution for educational platforms Gligor-Calin Loghin, Jean-Charles Marty, Thibault Carron</p> <p>153 F A theory-centric real-time assessment of programming Shilpi Rao, Vive Kumar</p> <p>96 F An Empirical Study on the Structure of Organizational Learning and Organizational Performance Li Zhang, Qiong Jia, Ping Li</p> <p>98 S Assessment of an online learning community from Technology Acceptance Model in Education I-Fan Liu, Meng Chang Chen, Yeali Sun, David Wible, Chin-Hwa Kuo</p> <p>329 S A Comparative Study on the Analysis of Students Interactions in e-Learning Raquel Hijón-Neira, J. Ángel Velázquez-Iturbide, Balbir Barn, Samia Oussena</p>
13:30-15:00	Building 1	Lunch
15:10-16:10	Building 6 Hall	Posters 1
	Building 6 Room 7	<p>Panel 1: Why technology innovations are still a cottage industry in education? Chair: Madhumita Bhattacharya Participants: Dragan Gasevic; Jon Dron; Dunwei Wen and Fuhua Lin; Tzu-Chien Liu; Vivekanandan Suresh Kumar</p>
16:10-16:30	Cafeteria	Coffee break

	<p>Building 6 Room 8</p>	<p>Parallel session 2.a: Content authoring technologies I Chair: Carlos Delgado</p> <p>36 F Cognitive load reduction on multimedia e-learning materials Masahiro Ando, Maomi Ueno</p> <p>406 F Facilitating Access to Distance Education: Creating Pedagogically Driven Courseware Using Simple Technologies Iraklis Paraskakis, Thanos Hatzia Apostolou</p> <p>83 S A User-oriented Visual Tool for Advanced Editing of Learning Material Maria De Marsico</p> <p>401 S Pocketing the Difference: Joint Development of Open Educational Resources Patrick McAndrew, Tina Wilson</p> <p>239 S CAWS: An Awareness based Wiki System to Improve Team Collaboration Ilaria Liccardi, Hugh C. Davis, Su White</p> <p>151 S An Application System to Enable Multimedia on English Composition Studies Kuo-Yu Liu, Heng-Yow Chen</p>
<p>16:30-18:30</p>	<p>Building 6 Room 7</p>	<p>Parallel session 2.b: Web 2.0 and social computing for learning I Chair: Lori Lockyer</p> <p>355 F Cultivating a Landscape of Online Places for a Developmental Community Mary Beth Rosson, Hansa Sinha, Dejin Zhao, John M. Carroll, Craig Ganoe, Jan Mahar</p> <p>325 S Interaction Analysis as a multi-support approach of social computing for learning, in the "Collaborative Era": Lessons learned by using the DIAS system Tharrenos Bratitsis, Angelique Dimitracopoulou</p> <p>191 S linenum->info: System Support for Code Reading Daiki Ueno</p> <p>350 F Supporting Distance Learning Activities and Social Interaction: a Case Study Ayman Moghnieh, Davinia Hernández-Leo, Toni Navarrete, Patricia Santos, Josep Blat, Judith Schoonenboom</p> <p>128 S Towards the Combined Use of Metadata to Improve the Learning Experience Martin Memmel, Rafael Schirru, Martin Wolpers, Eleftheria Tomadaki</p>

16:30-18:30	Building 6 Room 6	<p>Parallel session 2.c: e-Pedagogy and instructional design I Chair: Roger Hartley</p> <p>163 F A Proposal for a Component-based LMS in Accordance with PoEML Manuel Caeiro, Jorge Fontenla, Martín Llamas, Luis Anido</p> <p>108 S An analysis of students' difficulties with ArrayList object collections and proposals for supporting the learning process Stelios Xinogalos, Maya Satratzemi, Vassilios Dagdilelis</p> <p>273 F Support to the specification of observation needs Boubekeur Zendagui, Vincent Barré, Pierre Laforcade</p> <p>150 S Design for Pedagogy Patterns for E-Learning Fiona Chatteur, Lucila Carvalho, Andy Dong</p> <p>82 S Effects of Reflective Teaching Strategies on Online Learners' Reflection Levels Nian-Shing Chen, Chun-Wang Wei, Lorna Uden, Kung-Ting Wu</p> <p>168 S Towards Demonstrating Limited Cognitive Reception Bandwidth Eshaa M. Alkhalifa</p>
	Building 6 Room 3	<p>Parallel session 2.d: Inclusive learning Chair: James Ohene-Djan</p> <p>184 F Evaluation of the Relative Contribution of Various Elements in the CALL System of Teaching English as a Foreign Language Junko Takefuta, Yukio Takefuta, Nobue Yonaha</p> <p>43 F Multiple Standards Compatible Learning Resource Management Li Zheng, Yintao Liu, Jing Wang, Fang Yang</p> <p>282 F Improving learners' satisfaction in specification-based scenarios with dynamic inclusive support Olga C. Santos, Jesus G. Boticario</p> <p>156 F Design an interactive agent by multi-empathic strategies to reduce student's negative emotion Yu-Chia Cheng, Chih-Wei Chang, and Gwo-Dong Chen</p>
	Building 6 Room 2	<p>Parallel session 2.e: Mobile computing for learning and instruction I Chair: Manuel Castro</p> <p>318 S A software design approach for pupils with special needs Andreas Lingnau</p> <p>381 S A Device-Independent System Architecture for Adaptive Mobile Learning Xinyou Zhao, Toshio Okamoto</p> <p>157 F Group Scribbles to Support Jigsaw Cooperative Learning in a Graduate Course Chiu-Pin Lin, Kuo-Ping Liu, Chee Kit Looi</p> <p>235 S Mobile Devices and Remote Labs in Engineering Education Javier Garcia-Zubia, Diego López-de-Ipiña, Pablo Orduña</p> <p>181 F Mobile Learning with Patterns Henning Breuer, Gustavo Zurita, Nelson Baloian, Mitsuji Matsumoto</p>
	Building 6 Room 5	<p>Workshop: Technology-enhanced Science Education Organizers: Sofoklis Sotiriou, Theo Arvanitis, Demetrios Sampson</p>

9:00-10:30	Building 6 Room 8	<p>Parallel session 3.a: CSCL technologies I Chair: Maomi Ueno</p> <p>174 S ACoLab: Architecture of Algorithm Visualization System Christos Foutsitzis, Stavros Demetriadis</p> <p>165 F An Implementation of the Agency Architecture in Educational Robotics Yuejun Zhang, Kinshuk, Ilkka Jormannainen, Erkki Sutinen</p> <p>207 S Social Structures Representations as aid for effective creation and reuse of CSCL scripts according to a problem-solving approach to ID Serena Alvino, Juan I. Asensio-Pérez, Yannis Dimitriadis, Davinia Hernández-Leo</p> <p>232 S Supporting Jigsaw-Based Collaborative Learning in Second Life Andrea De Lucia, Rita Francese, Ignazio Passero, Genoveffa Tortora</p>
	Building 6 Room 7	<p>Parallel session 3.b: Educational technologies for new generations I Chair: Adel Elsayed</p> <p>407 S Developing An Interactive Game Platform to Promote Learning and Teamwork on Mobile Devices: An Experience Report Vincent Tam, Z.X. Liao, Alvin C.M. Kwan, C.H. Leung, Lawrence K. Yeung</p> <p>114 S Improving Vocabulary Acquisition By Designing A Storytelling Robot Chun-Cheng Wu, Chih-Wei Chang, Baw-Jhiune Liu, Gwo-Dong Chen</p> <p>170 F Investigating the Effect of Taking and Reviewing Annotations and Homework to Math Learning Wu-Yuin Hwang, Rustam Shadiev</p> <p>125 S M-PLAT: Multi-Programming Language Adaptive Tutor Alberto Núñez, Javier Fernández, Jose Daniel Garcia, Laura Prada, Jesús Carretero</p>
	Building 6 Room 6	<p>Parallel session 3.c: New generations of educational technologies II Chair: Felisa Verdejo</p> <p>278 S Is my student at the other side? Applying Biometric Web Authentication to e-learning environments Elisardo González Agulla, Luis Anido Rifón, José L. Alba Castro, Carmen García Mateo</p> <p>54 S Learning technology standards adoption – how to improve process and product legitimacy Tore Hoel, Paul Hollins</p> <p>206 F Models transformation to implement a Project-Based Collaborative Learning (PBCL) scenario: Moodle case study Firas Abdallah, Claudine Toffolon, Bruno Warin</p> <p>249 S Towards Ontology-driven Heuristic Assessment Generation for Software Design Patterns Imran A. Zualkernan, Maha Shouman</p>

9:00-10:30	Building 6 Room 3	<p>Parallel session 3.d: Personalized educational systems II Chair: Sabine Graf</p> <p>237 S 3D Animated Facial Expression and Autism in Taiwan Yufang Cheng</p> <p>229 F A Knowledge Integration Framework for Adaptive Learning Systems Based on Semantic Web Languages Feng-Hsu Wang, Dai-Yan Chen</p> <p>126 S Dynamic Tailoring of SCORM Sequencing and Navigation Rules Pierpaolo Di Bitonto, Teresa Roselli</p> <p>41 S MiSPOT: Enhanced Availability and Quality in Delivering Personalized M-learning Linked to TV Programs Martín López-Nores, José Juan Pazos-Arias, Yolanda Blanco-Fernández, Jorge García-Duque, Ricardo Tubío-Pardavila, Esther Casquero-Villacorta</p>
	Building 6 Room 2	<p>Parallel session 3.e: Transforming learning through technologies I Chair: Li Zheng</p> <p>198 S A Simulator for Education and Training in Global Requirements Engineering: A Work in Progress Miguel Romero, Aurora Vizcaíno, Mario Piattini</p> <p>315 S An information system design for coaching students by using Case-Based Reasoning (CBR) Ana Lidia Franzoni Velázquez, Andrés Gómez de Silva Garza, Francisco Cervantes Pérez</p> <p>216 S Early infrastructure of an Internet of Things in Spaces for Learning Gustavo Ramírez González, Mario Muñoz Organero, Carlos Delgado Kloos</p> <p>379 F Transforming Learning through Agent Augmented Virtual World Han Yu, Zhiqi Shen, Chor Ping Low, Chunyan Miao</p>
10:30-10:50	Cafetería	Coffee break
10:50-12:20	Building 6 Room 7	<p>Parallel session 4.a: CSCL technologies II Chair: Dragan Gasevic</p> <p>112 F Item Response Theory for Peer Assessment Maomi Ueno, Toshio Okamoto</p> <p>103 F Supporting members of a learning community using Interaction Analysis tools: The example of the Kaleidoscope NoE scientific network Tharrenos Bratitsis, Angelique Dimitracopoulou, Alejandra Martínez-Monés, Jose Antonio Marcos, Yannis Dimitriadis</p> <p>277 F Towards a group model for Learning Communities. First steps with the Comtella D Collaborative Learning Community R. Conejo, A. Ruiz, B. Barros, J. Vassileva</p>

10:50-12:20	Building 6 Room 6	<p>Parallel session 4.b: New generations of educational technologies III Chair: Ronghuai Huang</p> <p>419 F A Grid Based Open Framework for Technology Enhanced Learning Colin Allison, Stuart Purdie, Rosa Michaelson</p> <p>351 F An Interoperable, Extensible and Configurable Service Architecture for an Integrated Educational Networking Infrastructure Carlos Celorrio, M. Felisa Verdejo</p> <p>240 F e5Learning, an E-Learning Environment Based on Eye Tracking Clara Calvi, Marco Porta, Dario Sacchi</p>
	Building 6 Room 3	<p>Parallel session 4.c: Personalized educational systems III Chair: Telmo Zorraonandia</p> <p>283 F Adaptive Reading Assistance for the Inclusion of Students with Dyslexia: The AGENT-DYSL Approach Paraskevi Tzouveli, Andreas Schmidt, Michael Schneider, Antonis Symvonis, Stefanos Kollias</p> <p>376 F Evaluating a Probabilistic Model for Affective Behavior in an Intelligent Tutoring System Yasmín Hernández, Luis Enrique Sucar, Gustavo Arroyo-Figueroa</p> <p>75 F Identifying Learning Styles in Learning Management Systems by Using Indications from Students' Behaviour; Sabine Graf, Kinshuk Tzu-Chien Liu</p>
	Building 6 Room 2	<p>Parallel session 4.d: Transforming learning through technologies II Chair: Paloma Díaz</p> <p>171 F Acquiring a Holistic Picture: The 4Screens Web-based Simulator Helping Students to Unify Behaviours of Electronic Systems Iouri Belski</p> <p>188 S Evaluating a Concept Map Editor with non-technical students Urko Rueda, Ana Arruarte, Jon A. Elorriaga, Elena Herrán</p> <p>259 S Learning Object Indexing Tool Based on a LOM Ontology Ghebghoub Ouafia, Marie-Hélène Abel, Claude Moulin</p> <p>164 S LEMAT: A project for innovation in teaching mathematics Beatriz Porras, Jose A. Cerdón, Juan Manuel Olazabal, Cecilia Valero, Elena Álvarez, Laura Bravo, Begoña Sánchez, Alberto Gutiérrez, Ángela Núñez, Segundo Polanco, Ana García</p>
	Building 6 Room 5	<p>Workshop: Learning technology standards development – planning for an improved process and product Organizers: Tore Hoel, Paul Hollins and Jan Pawlowski</p>
12:30-13:30	Building 1 Salón actos (Auditorium)	<p>Invited speaker: Dr. Andy Heath. The Open University Title: Learning Content Personalisation for Accessibility, Metadata Harmonisation, Technologies, Issues and Solutions</p>
13:30-15:00	Building 1	Lunch

	Building 6 Hall	Posters 2
15:10-16:10	Building 6 Room 7	Panel 2: A competency approach: implications for e-learning and e-assessment Chair: Roger Hartley Participants: Mike Spector, Roger Hartley, Kinshuk and Adel Elsayed
16:10-16:30	Cafetería	Coffee break
16:30-18:30	Building 6 Room 7	<p>Parallel session 5.a: CSCL technologies III Chair: Davinia Hernández</p> <p>307 F A Framework for Semantic Group Formation Asma Ounnas, Hugh Davis, David Millard</p> <p>161 S A Semantic-rich Framework for Learning Software Patterns Zoran Jeremic, Jelena Jovanovic, Dragan Gasevic</p> <p>20 S Designing Collaborative Learning Applications Jacques Lonchamp</p> <p>69 S LRMDCR: A Learner's Role-based Multi Dimensional Collaborative Recommendation for Group Learning Support Xin Wan, Toshie Ninomiya, Toshio Okamoto</p> <p>44 F The Analysis of a Case Study for Group Programming Learning Thais Helena Chaves de Castro, Hugo Fuks, Marcos André Fernandes Spósito, Alberto Nogueira de Castro Júnior</p>
	Building 6 Room 6	<p>Parallel session 5.b: Data mining, text mining, and web mining in education I Chair: Lluís Vicent</p> <p>287 F Associative Language Learning Support Applying Graph Clustering---for Vocabulary Learning and Improving Associative Ability Jaeyoung Jung, Nobuyasu Makoshi, Hiroyuki Akama</p> <p>40 S Concept-Based Pages Recommendation by Using Cluster Algorithm Chen-Chung Chi, Chin-Hwa Kuo, Ming-Yuan Lu, Nai-Lung Tsao</p> <p>247 F Generating Teacher Adapted Suggestions for Improving Distance Educational Systems with SIgMa Maite Martin, Ainhoa Alvarez, Isabel Fernandez-Castro, Maite Urretavizcaya</p> <p>71 F Using Data Mining as a Strategy for Discovering User Roles in CSCL Jian Liao, Yanyan Li, Peng Chen, Ronghuai Huang</p>

16:30-18:30	<p>Building 6 Room 3</p>	<p>Parallel session 5.c: HCI for educational systems II Chair: Rosalie Ocker</p> <p>66 S An Augmented Reality System for Learning the Interior of the Human Body Carmen Juan, Francesca Beatrice, Juan Cano</p> <p>362 S Learning about Dynamic Problems with Computer Simulators: A Case of System Dynamics Simulation Models Agata Sawicka, Birgit Kopainsky, Jose J. Gonzalez</p> <p>173 S Academic Administration and Management Scenarios on the Semantic Web Feng (Barry) Tao, Shakeel A. Khoja, Hugh Davis, Andy Gravell</p> <p>25 S Augmented Reality Interactive Storytelling Systems Using Tangible Cubes for Edutainment Carmen Juan, Raffaella Canu, Miguel Giménez</p> <p>360 S Testing the OLPC Drawing Activity: an usability report Alexandre Antonino Gonçalves Martinazzo, Nathalia Sautchuk Patrício, Leandro Coletto Biazon, Irene Karaguilla Ficheman, Roseli de Deus Lopes</p> <p>352 S Understanding educational relationships in Moodle with ViMoodle Diego Alonso Gómez Aguilar, Roberto Therón, Francisco García Peñalvo</p>
	<p>Building 6 Room 2</p>	<p>Parallel session 5.d: Mobile computing for learning and instruction II Chair: Tore Hoel</p> <p>385 F A Global Ontology Space for Mobile Learning Rachid Benlamri, Xiaoyun Zhang</p> <p>276 S On InfoStation-Based Mobile Services Support for Library Information Systems Ivan Ganchev, Damien Meere, Stanimir Stojanov, Mícheál Ó hAodha, Máirtín O'Droma</p> <p>166 S Turning Mobile Phones into A Mobile Quiz Platform to Challenge Players' Knowledge: An Experience Report Vincent Tam, S.W. Cheung, Wilton Fok, K.S. Lui, Jade Wong, Beta Yip</p> <p>121 F Providing Information in an Augmented Campus Leandro Krug Wives, Bruno Defude, José Palazzo Moreira de Oliveira, José Valdeni de Lima, Yvan Peter</p> <p>271 S The Development and Application of a Mobile Learning System for Carrying out Elementary School Social Class Activities - An Example of Pingtung Matzu Culture Chia-Pin Chen, Sheng-Huang Kuo, Chun-Yu Chen</p>
	<p>Building 6 Room 5</p>	<p>Workshop: Advanced learning technologies for disabled and non-disabled people (WALTD) Organizers: Marion Hersh and James Ohene-Djan</p>

9:00-10:30	Building 6 Room 2	<p>Parallel session 6.a: Data mining, text mining, and web mining in education II Chair: Sabine Graf</p> <p>52 S A Method to Extract Sentences Referenced by Students' Technical Reports Using Parse Trees and Word concepts Yasutoshi Haga, Masayuki Arai</p> <p>182 S A Repository with Semantic Organization for Educational Content Álvaro Pedro de Barros Borges Reis Figueira</p> <p>59 F Glosser Enhanced Feedback for Student Writing Tasks Jorge Villalon, Paul Kearney, Rafael A. Calvo, Peter Reimann</p> <p>17 S Methods for Path Evaluation in Dynamic Storyboarding Ronald Böck, Rainer Knauf, Yoshitaka Sakurai, Setsuo Tsuruta</p>
	Building 6 Room 7	<p>Parallel session 6.b: Personalized educational systems IV Chair: Ignacio Aedo</p> <p>16 S A Study on Personality in Designing Adaptive e-Learning Systems Amal Al-Dujaily, Hokyoung Ryu</p> <p>242 F Adaptive Environment Supporting Understanding and Learning from Texts Alexandra Gasparinatou, Grammatiki Tsaganou, Maria Grigoriadou</p> <p>248 S Competency-based Intelligent Curriculum Sequencing using Particle Swarms Luis de-Marcos, Roberto Barchino, José Javier Martínez, José Antonio Gutiérrez</p> <p>94 S Deriving e-assessment from a competency model Onjira Sitthisak, Lester Gilbert, Hugh C. Davis</p>
	Building 6 Room 6	<p>Parallel session 6.c: Web 2.0 and social computing for learning II Chair: Monica Landoni</p> <p>346 F Collaboration in a Distributed World: Technological Support for Partially Distributed Teams Matthew R. Peters, Rosalie J. Ocker, Mary Beth Rosson</p> <p>372 F E-learning meets the Social Semantic Web Carlo Torniai, Jelena Jovanovic, Dragan Gašević, Scott Bateman, Marek Hatala</p> <p>185 F Integrating social networking technologies in education: a case study of a formal learning environment Lori Lockyer, John Patterson</p>

9:00-10:30	Building 6 Room 3	<p>Parallel session 6.d: Transforming learning through technologies III Chair: Iouri Belski</p> <p>369 S A Learning Environment for Promoting Structured Algebraic Thinking in Children Sergio Gutiérrez, Manolis Mavrikis, Darren Pearce</p> <p>310 S Lesson' Toon: Conception of lesson notes as cartoon in an e-learning platform Laure France</p> <p>46 S Risk Assessment Education: Utilizing Interactive Video for Teaching Health and Safety Joseph Price, Gary Wills, Itiel E. Dror, Tom Cherrett, Sarah Maynard</p> <p>56 F The virtual debate as a complementary evaluation and learning method for large groups: An experience with first year computer studies students María L. Pertegal-Felices, María J. Manresa-Iñigo, José L. Sánchez-Romero, Antonio Jimeno-Morenilla</p>
	Building 6 Room 2	<p>Parallel session 6.e: Real-time assessment of learning and performance II Chair: Baltasar Fernández-Manjón</p> <p>231 F Architecture for Integration of Simulations with SCORM in E-learning Environments Angélica de Antonio Jiménez, Jaime Ramírez Rodríguez, Zayra Madrigal Alfaro</p> <p>409 F Evaluating the runtime adaptation of EML-described learning processes Telmo Zarronandia, Paloma Díaz, Ignacio Aedo, Carmino Fernández, Juan Manuel Dodero</p> <p>84 F LEA: A Summarization Web Environment Based on Human Instructors' Behaviour Iraide Zipitria, Ana Arruarte, Jon Ander Elorriaga</p>
10:30-10:50	Cafetería	Coffee break
10:50-12:20	Building 6 Room 7	<p>Parallel session 7.a: Real-time assessment of learning and performance III Chair: Vive Kumar</p> <p>378 F A Methodology for Design Collaborative Learning Objects María de Lourdes Margain, Jaime Muñoz Arteaga, Francisco Álvarez Rodríguez</p> <p>395 F Competence Based Educational Metadata for Supporting Lifelong Competence Development Programmes Demetrios Sampson, Demetrios Fytros</p> <p>183 F NUCLEO: Adaptive Computer Supported Collaborative Learning in a role game based scenario Pilar Sancho, Rubén Fuentes, Baltasar Fernández-Manjón</p>

10:50-12:20	Building 6 Room 6	<p>Parallel session 7.b: New generations of educational technologies IV Chair: Martín Llamas</p> <p>313 S A Proposal for Disassembling Learning Objects with High Level of Aggregation. An Implementation for OpenCourseWare Educational Resources Pedro Pernías Peco, Nuria Gomis Berenguer, Felipe Casanova Patón, Leonel Iriarte Navarro, Manuel Marco Such</p> <p>89 S The Effect of a Web-based Writing Program in College English Writing Classes Wenli Tsou</p> <p>289 S OCCS: Enabling the Dynamic Discovery, Harvesting and Delivery of Educational Content from Open Corpus Sources Seamus Lawless, Lucy Hederman, Vincent Wade</p> <p>110 F VEMUS: An Integrated Platform to Support Music Tuition Tasks George Tambouratzis, Kostas Perifanos, Iro Voulgari, Anders Askenfelt, Svante Granqvist, Kjetil Falkenberg Hansen, Yann Orlarey, Dominique Fober, Stephane Letz</p>
	Building 6 Room 3	<p>Parallel session 7.c: Personalized educational systems V Chair: Mohamed Jemni</p> <p>227 S Adapting an Educational Game for Spanish Orthography to make it Adaptive and Accessible Cristina Carmona, David Bueno, Miguel A. Jiménez</p> <p>331 S Constructivist Approach for an Educational Adaptive Hypermedia Tool; Constantino Martins, Luíz Faria, Eurico Carrapatoso</p> <p>87 S Expertise Measure for Dynamic Task Selection and Adaptive Pedagogical Strategies within Intelligent Educational Systems; François Courtemanche, Mehdi Najjar, André Mayers</p> <p>328 F Student Learning Styles Adaptation Method Based on Teaching Strategies and Electronic Media; Ana Lidia Franzoni, Saïd Assar, Bruno Defude, Javier Rojas</p>
	Building 6 Room 2	<p>Parallel session 7.d: Transforming learning through technologies IV Chair: Paloma Díaz</p> <p>423 S A Grid-based Architectural Framework for Composition and Execution of Complex Learning Processes; Jorge Torres, Cesar Cardenas, Juan Manuel Dodero, Ignacio Aedo</p> <p>186 S Causal Models for Learning Technology; David Brokenshire, Vive Kumar</p> <p>70 S Multiple participants, multiple locations, multiple time zones and multitasking in the synchronous cyber classroom Megan Hastie, Nian-Shing Chen, Ross J. Todd</p> <p>357 F The Effect of Student Model on Learning Adrian Maries, Amruth Kumar</p>
	Building 6 Room 5	<p>Workshop: Crafting didactic materials based on IMS LD: From Requirements to Evaluation Organizers: Carmen L. Padrón and Telmo Zarraonandia</p>

12:30-13:30	Building 1 Salón actos (Auditorium)	Invited speaker: Prof. Tochterman. Graz University of Technology Title: The Long Way towards Workplace-Integrated Learning
13:30-15:00	Building 1	Lunch
15:10-16:10	Building 6 Hall	Posters 3
	Building 6 Room 7	Panel 3: Adaptive, inclusive software design for people with vision and hearing impairments Chair: James Ohene-Djan Participants: Marion Hersh, Monical Landoni, Mohamed Jemni
16:10-16:30	Cafetería	Coffee break
16:30-18:30	Building 6 Room 8	<p>Parallel session 8.a: Content authoring technologies II Chair: José Luis Sierra</p> <p>312 S Fighting technical complexity in authoring e-learning material Angelo Di Iorio, Antonio Feliziani, Silvia Mirri, Paola Salomoni, Fabio Vitali</p> <p>311 S Instructor-oriented Authoring Tools for Educational Videogames Javier Torrente, Pablo Moreno-Ger, Baltasar Fernández-Manjón, José Luis Sierra</p> <p>45 F Pedagogical Scenarios Generation within LD Frameworks Narjess Touzani-Chebaane, Maha Khemaja, Rafik Braham</p> <p>317 S The automatic generation of semantic annotations for didactic materials and the use of models in the material development to improve its reusability Carmen L. Padrón, Paloma Díaz, Ignacio Aedo</p> <p>29 F Towards Dynamic and Interoperable Educational Contents: Creating an Editorial Chain Odette Auzende, Hélène Giroire, Françoise Le Calvez</p>

16:30-18:30	Building 6 Room 7	<p>Parallel session 8.b: Content authoring technologies III Chair: Kinshuk</p> <p>204 F Developing a Pedagogically Meaningful E-tutor Training Program for Cyber Face-to-Face Language Teaching Nian-Shing Chen, Yuping Wang, Ping-Ju Wu, Mike Levy</p> <p>288 S Enhancing Reusability of IMS LD Units of Learning: The e-LD Approach Iván Martínez-Ortiz, José Luis Sierra, Baltasar Fernández-Manjón</p> <p>19 F Evolutionary Design of Collaborative Learning Processes through Reflective Petri Nets Dirk Frosch-Wilke, Salvador Sánchez-Alonso, Juan Manuel Dodero</p> <p>150 S Design for Pedagogy Patterns for E-Learning Fiona Chatteur, Lucila Carvalho, Andy Dong</p> <p>200 S The Transition of the Motivation of the Students in the Art Faculty to Learn Programming Yasuhiro Takemura, Hideo Nagumo, Hidekuni Tsukamoto, Kenichi Matsumoto</p>
	Building 6 Room 6	<p>Parallel session 8.c: Mobile computing for learning and instruction III Chair: George Tambouratzis</p> <p>111 F A Mobile Toolkit for Placement Learning Pei Zhang, David E. Millard, Gary B. Wills, Yvonne Howard, Sue J. Faulds, Lester Gilbert, Dan Sparks</p> <p>51 S Mobile Learning across Expanding Contexts Henning Breuer, Mitsuji Matsumoto</p> <p>93 S Mobile Learning: Teaching and Learning with Mobiles Phones and Podcasts Adelina Moura, Ana Amélia Carvalho</p> <p>146 F Supporting Task Assignments for Language Learning Outside Classroom with Handhelds Hiroaki Ogata, Li Hui Gan, Makoto Wada, Yoneo Yano</p> <p>246 S Design and Management of Material Sharing System for Ubiquitous Vocabulary Learning Xin Jin, Masatoshi Ishikawa, Keiichi Kaneko, Haruko Miyakoda, Norihide Shinagawa</p>

16:30-18:30	<p>Building 6 Room 3</p>	<p>Parallel session 8.d: Educational technologies for new generations II Chair: Pilar Sancho</p> <p>225 S Define and Visualize Your First Programming Language Mikko-Jussi Laakso, Erkki Kaila, Teemu Rajala, Tapio Salakoski</p> <p>79 S Enhancing a free-text Adaptive Computer Assisted Assessment system with self-assessment features Ismael Pascual-Nieto, Diana Perez-Marin, Mick O'Donnell, Pilar Rodriguez</p> <p>345 F Primary preschool experiences with computers in the classroom Mónica Trella, Beatriz Barros, Ricardo Conejo</p> <p>120 F Towards The Automatically Semantic Scoring in Language Proficiency Evaluation Jie Jiang, Bo Xu</p> <p>30 F Using Learning Styles and Preferences to Incorporate Emerging E-learning Tools in Teaching Nauman Saeed, Yun Yang</p>
	<p>Building 6 Room 2</p>	<p>Parallel session 8.e: Transforming learning through technologies V Chair: Margus Pedaste</p> <p>15 F The Robinson Program: An interdisciplinary Robotic Program for Academic and Pre-Academic Education Sabina Jeschke, Lars Knipping, Marcus Liebhardt, Fabian Müller, Ursula Vollmer, Marc Wilke</p> <p>296 S A Semantic Infrastructure to Support a Federation of Agricultural Learning Repositories Nikos Manouselis, Alberto Abian, Jesus Soto Carrion, Hannes Ebner, Matthias Palmer, Ambjorn Naeve</p> <p>192 F Integrated Copy-Paste Checking: Design and Services Narayanan Kulathuramaiyer, Bilal Zaka, Denis Helic</p> <p>374 S Proactive Reflection in the Development of Nursing Students' Clinical Judgment James L. Bowen, Carole McKenzie, Kim Bruce</p> <p>127 S Quality-oriented Evaluation of E-learning-based Experiences Félix Buendía, Elena Ejarque Antonio Hervás</p>

9:00-10:30	Building 6 Room 8	<p>Parallel session 9.a: CSCL technologies IV Chair: Manuel Ortega</p> <p>233 F Collaborative Learning Models on Distance Scenarios: A Case Study Luis de la Fuente Valentín, Abelardo Pardo, Carlos Delgado Kloos, Juan I. Asensio-Perez, Yannis A. Dimmitriadis</p> <p>308 F DAVE: A Dynamic Algorithm Visualization Environment for Novice Learners Euripides Vrachnos, Athanassios Jimoyiannis</p> <p>333 F InstanceCollage: a Graphical Tool for the Particularization of Role/group Structures in Pattern-based IMS-LD Collaborative Scripts Julio Alberto Hernández-Gonzalo, Eloy David Villasclaras-Fernández, Davinia Hernández-Leo, Juan Ignacio Asensio-Pérez, Yannis Dimitriadis</p>
	Building 6 Room 7	<p>Parallel session 9.b: Data mining, text mining, and web mining in education III Chair: Telmo Zarraonandia</p> <p>35 S MATEP: Monitoring and Analysis Tool for e-Learning Platforms Marta Elena Zorrilla, Elena Alvarez</p> <p>301 F QTI Result Reporting Stats Engine for Question-Based Online Tests Xavier Gumara, Lluís Vicent, Marc Segarra</p> <p>356 S Unsupervised Acquisition of Desktop Application Taxonomies Robert Lokaiczuk</p> <p>284 S Web usage mining in a blended learning context: A case study Raquel M. Crespo Garcia, Carlos Delgado Kloos</p>
	Building 6 Room 6	<p>Parallel session 9.c: HCI for educational systems III Chair: Rocio García</p> <p>101 F A Study of Intra-action and its Influence on Learning Hwang Wu Yuin, Alexei Tretiakov, Chou Huey-Wen, Hsu Rueng-Lueng, Lee Ching-Yuan</p> <p>334 S Avatar Aided e-Learning Fundraising System Gaetano La Russa, Erkki Sutinen, Johannes Cronje</p> <p>388 S Individual Differences in Learning with Simulation Tool: A Pilot Study Tzu-Chien Liu, Yi-Chun Lin, Kinshuk, Maiga Chang</p> <p>215 S Paper-Centric Structuring in Learning Processes Jürgen Steimle, Oliver Brdiczka, Max Mühlhäuser</p>

9:00-10:30	Building 6 Room 3	<p>Parallel session 9.d: New generations of educational technologies V Chair: Demetrios Sampson</p> <p>92 S A Generalized Proposal to Support Development and Reuse of Practical Educational Scenarios in LMSs Manuel Caeiro, Martín Llamas, Luis Anido, Jorge Fontenla, Sergio Martin, Rosario Gil, Francisco García, Miguel Latorre, Manuel Castro, Juan Peire</p> <p>22 S Learning Objects and Learning Services in the Semantic Web Chrysafis Hartonas, Eleni Gana</p> <p>91 F A Model of Personalized Collaborative Computer Support Ubiquitous Learning Environment Moushir M. El-Bishouty, Hiroaki Ogata, Yoneo Yano</p> <p>359 F Tailoring Feedback in Online Assessment: Influence of Learning Styles on the Feedback Preferences and Elaborated Feedback Effectiveness Ekaterina Vasilyeva, Paul De Bra, Mykola Pechenzkiy, Seppo Puuronen</p>
	Building 6 Room 2	<p>Parallel session 9.e: Personalized educational systems VI Chair: David Bueno</p> <p>323 F Designing a Dynamic Bayesian Network for Modeling Students' Learning Styles Cristina Carmona, Gladys Castillo, Eva Millán</p> <p>152 S On Using Workflow Technology to model eLearning Process Alex Pongpech, Shazia W. Sadiq, Maria E. Orłowska</p> <p>85 S Personalized Access and Students' Coauthoring in Repositories of Learning Objects: The Case of a Repository of Programming Examples Mercedes Gomez-Albarran, Susana Bautista-Blasco, Jorge Carrillo-de-Albornoz</p> <p>304 S UML Class Diagram as a Navigational Support for E-Learning Fathi Essalmi, Leila Jemni Ben Ayed, Mohamed Jemni, Kinshuk</p>
10:30-10:50	Cafetería	Coffee break
10:50-12:20	Building 6 Room 7	<p>Parallel session 10.a: CSCL technologies V Chair: Yannis Dimitriadis</p> <p>213 F Making Use of User-generated Content and Contextual Metadata Collected during Ubiquitous Learning Activities Martin Svensson, Oskar Pettersson</p> <p>270 F Modeling Beer Game as Role-play Collaborative Learning via Fuzzy Constraint-directed Agent Negotiation Chung Cheng Tseng, Chung Hsien Lan, K. Robert Lai</p> <p>95 F Semantic Organization of Online Discussion Transcripts for Active Collaborative Learning Yanyan Li, Mingkai Dong, Ronghuai Huang</p>

10:50-12:20	Building 6 Room 6	<p>Parallel session 10.b: Educational technologies for new generations III Chair: Ignacio Aedo</p> <p>193 S netUniversity: An Interoperable LMS/LCMS for Adaptive and Collaborative Learning Amir Benmimoun, Philippe Trigano</p> <p>97 S The Development of a Virtual Synchrotron Light Source for Educational Applications Yen-Chi Liou, Wernhuar Tarng, Chih-Ming Lin</p> <p>137 S The Same, But Different: The Educational Affordances of Different Gaming Genres Alex Frazer, David Argles, Gary Wills</p> <p>159 F Virtual Chemical Experiment using Cyber Assistant Professor: CAP Hiroshi Matsuda, Yoshiaki Shindo</p>
	Building 6 Room 3	<p>Parallel session 10.c: e-Pedagogy and instructional design II Chair: Mike Spector</p> <p>209 S Promoting Reflective Thinking in Collaborative Learning Activities Lu Xiao, Shawn Clark, Mary Beth Rosson, John M. Carroll</p> <p>368 S Setting up on-line learning experiments: the LearningLab platform Jean-Michel Adam, Anne Lejeune, Sandra Michelet, Jean-Pierre David, Christian Martel</p> <p>341 F Studying Native American Culture in an Immersive Virtual Environment Guy Hokanson, Otto Borchert, Brian M. Slator, Jeff Terpstra, Jeffrey T. Clark, Lisa M. Daniels, Heather R. Anderson, Aaron Bergstrom, Thomas A. Hanson, John Reber, Dan Reetz, Kari L. Weis, Ryan White, Lauren Williams</p> <p>324 S Supporting the Specification of Educational Modeling Languages and Learning Scenarios with a Domain-Specific-Modeling Approach Pierre Laforcade, Boubekeur Zendagui, Vincent Barré</p>
	Building 6 Room 2	<p>Parallel session 10.d: Personalized educational systems VII Chair: Leandro Wives</p> <p>274 F A Diagnosis Method that Matches Class Diagrams in a Learning Environment for Object-Oriented Modeling Ludovic Auxepaules, Dominique Py, Thierry Lemeunier</p> <p>107 F Automatic Recommendations for E-Learning Personalization Based on Web Usage Mining Techniques and Information Retrieval Mohamed Koutheair Khribi, Mohamed Jemni, Olfa Nasraoui</p> <p>354 F The Development and Evaluation of English Dialogue Companion System Yi-Ting Huang, Jie-Chi Yang, Yu-Chieh Wu</p>
	Building 6 Room 5	<p>Workshop: Machine-mediated multimodal communication (M3C) Organizer: Adel Elsayed</p>

12:30-13:30	Building 1 Salón actos (Auditorium)	Invited speaker: Prof Ronghuai Huang. Beijing Normal Univeristy Title: Advanced Learning Technologies in China
13:30-15:00	Building 1	Lunch
15:10-16:10	Building 6 Room 8	<p>Parallel session 11.a: Content authoring technologies IV Chair: Gary Wills</p> <p>332 F Semantic Document Management for Collaborative Learning Object Authoring Sasa Nestic, Dragan Gasevic, Mehdi Jazayeri</p> <p>263 F Tagging Learning Objects with Evolving Metadata Schemas Jose-Luis Sierra, Alfredo Fernandez-Valmayor</p>
	Building 6 Room 7	<p>Parallel session 11.b: CSCL technologies VI Chair: Mary Beth Rosson</p> <p>102 S iArgue: A Web-based Argumentation System Supporting Collaboration Scripts with Adaptable Fading Yannis N. Bouyias, Stavros N. Demetriadis, Ioannis A. Tsoukalas</p> <p>136 S Interaction-aware design for learning applications. Reflections from the CSCL field Alejandra Martínez-Monés, Yannis Dimitriadis, Andreas Harrer</p> <p>190 S Specifying Scripts and Collaborative Tasks in CSCL Environment using IMS-LD and CIAN Ana I. Molina, Francisco Jurado, William J. Giraldo, Miguel A. Redondo, Manuel Ortega</p>
	Building 6 Room 6	<p>Parallel session 11.c: HCI for educational systems IV Chair: Stefano Levialdi</p> <p>297 F An IMS-Learning Design Editor for a Higher Education Rocío García-Robles, Laura Ferrer, Daniel Cagigas</p> <p>115 F Script-Based Design for Human-Computer Dialog in Given Scenarios for English Learners Jiyoun Jia, Weichao Chen</p>
	Building 6 Room 3	<p>Parallel session 11.d: Transforming learning through technologies VI Chair: Abelardo Pardo</p> <p>386 F Bringing CBLs into Classrooms: Experiences with the Betty's Brain System John Wagster, Henry Kwong, James Segedy, Gautam Biswas, and Dan Schwartz</p> <p>38 F Transforming Students' Inquiry Skills with Computer-based Simulations Mario Mäeots, Margus Pedaste, Tago Sarapuu</p>

<p>15:10-16:10</p>	<p>Building 6 Room 2</p>	<p>Parallel session 11.e: Real-time assessment of learning and performance IV Chair: Paul Hollins</p> <p>39 S Automatic Concept Map Scoring Framework Using the Semantic Web Technologies Ungkyu Park, Rafael A. Calvo</p> <p>124 S Robust adaptive discourse parsing for e-learning for a Nadine Lucas, Emmanuel Giguet</p> <p>244 S Testing-Based Automatic Grading: A Proposal from Bloom's Taxonomy Isidoro Hernán-Losada, Cristóbal Pareja-Flores, J. Ángel Velázquez-Iturbide</p>
<p>16:10-16:30</p>	<p>Cafetería</p>	<p>Coffee break</p>
<p>16:30-17:10</p>	<p>Building 6 Sala de Grados (Ground Floor)</p>	<p>Invited Speaker: Marco Marsella, European Commission Title: "Overview of European Research on Technology-enhanced Learning; Current Status and Future Perspectives"</p>
<p>17:10-18:00</p>	<p>Building 6 Sala de Grados (Ground Floor)</p>	<p>Closing Panel: Grand Research Challenges in Technology-enhanced Learning Chair: Demetrios G Sampson Rapporter: Lidia Montandon Participants: Mary Beth Rosson, Mike Spector, Kinshuk, Hiroaki Ogata, Klaus Tochtermann, Paloma Diaz, Marco Marsella</p> <p>This panel is supported by Atos Origin</p>
<p>18:00-18:30</p>	<p>Building 6 Sala de Grados (Ground Floor)</p>	<p>Closing ceremony</p>

9:30-11:00	Building 6 Room 7	Tutorial 1: Pervasive Virtual Instructors in mixed reality Speaker: Jayfus T. Doswell
	Building 6 Room 6	Tutorial 2: Visual approaches for the creation and deployment of learning designs Speakers: Ernie Ghiglione, Dai Griffith, Abelardo Pardo, Juan Manuel Doderó
	Building 6 Room 3	Tutorial 3: Design principles of educational mobile website Speaker: Woochun Jun
	Building 6 Room 2	Tutorial 4: Problem based learning online Speaker: Madhumita Bhattacharya and Timo Portimojärvi
11:00-11:30	Cafetería	Coffee break
11:30-13:00	Building 6 Room 7	Tutorial 1: Pervasive Virtual instructors in mixed reality Speaker: Jayfus T. Doswell
	Building 6 Room 6	Tutorial 2: Visual approaches for the creation and deployment of learning designs Speakers: Ernie Ghiglione, Dai Griffith, Abelardo Pardo, Juan Manuel Doderó
	Building 6 Room 3	Tutorial 3: Design principles of educational mobile website Speaker: Woochun Jun
	Building 6 Room 2	Tutorial 4: Problem based learning online Speakers: Madhumita Bhattacharya and Timo Portimojärvi

Posters 1

- 49 P** A Framework to Scaffold the Reuse of Learning Objects; Isabel Azevedo, Eurico Carrapatoso, Carlos Vaz Carvalho
- 32 P** A Good Practice Example on Learning Object Reutilization; Miguel Latorre, Francisco García-Sevilla, Eugenio López, Sergio Martín, Rosario Gil, Martín Llamas, Manuel Caeiro, Manuel Castro, Juan Peire
- 179 P** A methodological approach for the design of observation mechanisms of the users' activity in CSCL systems; Rafael Duque, Crescencio Bravo, Manuel Ortega
- 238 P** A Presentation Support Service using Presentation Semantics Shinobu Hasegawa, Akihide Tanida, Akihiro Kashiara
- 160 P** A Toolkit Design Framework for Authoring Multimedia Game-Oriented Educational Content; Noraniza Abdullah, Raja Hafiz Raja Ahmad Kamaruddin, Zaidi Razak, Mohd. Yakub @ Zulkifli Bin Mohd.
- 363 P** Concrete Programming: Using Small Robots in Primary Schools; G. Barbara Demo, Giovanni Marcianò, Simonetta Siega
- 383 P** Facilitating Presentation Rehearsal Review with Realtime-created Hypervideo Technique; Ryo Okamoto, Akihiro Kashiara
- 267 P** ICT Competences for Net Generation Students; Montse Guirter, Teresa Romeu, Ana Guerrero, Ariadna Padrós
- 326 P** Investigating user engagement with synthetic characters; Lynne Hall, Susan Jones, Marc Hall
- 340 P** Learning Application Suite – Creating and Playing SCORM Compatible; Marco Nordmann, Jens Neumann
- 417 P** Relations between Learning Style and Learner Behavior in an Educational Hypermedia System: an Exploratory Study; Elvira Popescu, Philippe Trigano, Costin Badica
- 330 P** ScenEdit: An authoring environment to design learning scenarios; Valérie Emin
- 202 P** Secure Certification for ePortfolios; Lisha Chen-Wilson, Patrick Newcombe, Piers Royce, Samuel Ong, Timothy Wonnacott, Gary Wills, David Argles
- 275 P** SimulCol - a Collaborative Educational Modeling Simulation Tool; Maria José Marcelino, Miguel Angel Redondo, Ana Isabel Tinoco, António José Mendes
- 418 P** The Importance of Integrating Learning Theories and Pedagogical Principles in AHES (Adaptive Hypermedia Educational Systems); George Zardas

Posters 2

- 298 P** A Pervasive Assessment System: Extending QTI to Incorporate Ad-hoc Wireless Sensors; Imran A. Zualkernan, Ahmed Wasfy, Imad Zabalawi, Mustafa Abdul Jabbar
- 203 P** A SOA-Based Framework for Constructing Problem Solving Environments; Jaime Gálvez, Eduardo Guzmán, Ricardo Conejo
- 172 P** Accessible Digital Resource Centers for Visually Impaired People; Mari Luz Guenaga, Javier Oliver
- 86 P** Authoring of Educational Resources for Semantic Web Applications; Pedro Muñoz Merino, Carlos Delgado Kloos
- 413 P** Designer as mediator: An innovative model for designing interactive devices within the user-centered approach; Mithra Zahedi
- 261 P** Dictionary-based Translation Feature in Open Source LMS - A Case Study of Thai LMS: LearnSquare; Orrawin Mekpiroon, Pornchai Tammarattananont, Narasak Apitiwongmanit, Neetiwit Buasroung, Buntita Pravalpruk, Thepchai Supnithi
- 371 P** e-Learning Course for Euclidean Geometry; Vanda Santos, Pedro Quaresma
- 195 P** Electronic Integrity Issues in E-assessment Security; Kikelomo M. Apampa, Gary B. Wills, David Argles, Emil Marais
- 281 P** Extending Dragon Pathways Authoring System for Force-Feedback Joysticks; Tiago Correia, Maria José Marcelino
- 28 P** Improving English Lab Classes Using Sony PSP (PlayStation Portable); Mohammad Shirali-Shahreza
- 387 P** Interactive Learning Environment for Astronomy with Finger Pointing and Augmented Reality; Masato Soga, Koji Matsui, Kazuki Takaseki, Kohe Tokoi
- 105 P** LEARN-SQL:Automatic Assessment of SQL Based on IMS QTI Specification; Alberto Abelló, M. Elena Rodríguez, Toni Urpí, Xavier Burgués, M. José Casany, Carme Martín, Carme Quer
- 228 P** Multiple Intelligence Tutoring Systems for Mobile Learners; Ramón Zatarain Cabada, María Lucía Barrón Estrada, Eduardo Urías Barrientos, Moisés Osorio Velásquez, Carlos Alberto Reyes García
- 319 P** .Net e-Learning Platform; Miguel Llopis, Fernando Llopis
- 316 P** Network of Schools as a General Framework for Validation of the UNITE Project Outcomes; Virginija Limanauskiene, Galina Romanova, Vjaceslavs Sitikovs, Vytautas Stuikeys
- 217 P** Scenario-based Assessment for Database; Course; Rahat Iqbal, Anne James
- 189 P** ROME: Systems Engineering in Technology Enhanced Learning; Sybille Hambach and Alke Martens
- 404 P** Tele-Ed: A Web application for distance learning using real time multicast; Oscar Martinez Bonastre, Antonio Peñalver Benavent, Joaquin Lopez Erades
- 180 P** The Educational Effect of Extraction of the Know-how Information for Care Planning Processes; Kaoru Eto, Tatsunori Matsui, Yasuo Kabasawa
- 76 P** The Feed-Back from a Biodevices and Cellular Nano-Electronics Course Learned in an Electrical Engineering Faculty; Cristian Ravariu

Posters 3

- 264 P** Assessment of the improvement in results through the adaptation to the european higher education space pilot plans; Laura Bravo, M.Angel Cavia, Eduardo Mora
- 197 P** Biprocessor SoC in an FPGA for Teaching Purposes; Joaquín Olivares Bueno, Juan Gómez Luna, José Manuel Palomares Muñoz, Miguel Ángel Montijano
- 365 P** Case-based reasoning approach to Adaptive Web-based Educational Systems; Paulo Alves, Luis Amaral, José Pires
- 393 P** Enhancing Ontology-Based Educational Content Search Service with Competency
Byoungchol Chang, Yoonsoo Lee, Sua Ko, Jaehyuk Cha
- 250 P** Designing a Person-Centered Learning Support System; Maria Kyprianidou, Stavros Demetriadis, Andreas Pombortsis
- 412 P** Digital Learning Ecosystems: Authoring, Collaboration, Immersion and Mobility; Irene Karaguilla Ficheman, Roseli de Deus Lopes
- 343 P** Immersion Adoption: Design Principles for Self-Guided Learning in Virtual Learning Environments; Matthew R. Peters, Mary Beth Rosson
- 344 P** Improving Learning Objects Quality with Learning Styles; Javier Rojas, Bruno Defude
- 256 P** Knowledge Sharing within and across communities: The CRICOS system; Stefanos Ziovas, Maria Grigoriadou
- 342 P** Learning to Teach Sports to Handicapped People using Games; David Bueno, Jose Chacón, Cristina Carmona
- 130 P** Moving towards life-long User Modeling; Demetris Kyriacou, Hugh C. Davis
- 279 P** InfoStation-Based mLearning System Architectures: Some Development Aspects; Ivan Ganchev, Stanimir Stojanov, Damien Meere, and Máirtín O'Droma
- 129 P** Personalized Content Delivery By Usage of Concept Maps and Naïve Bayes Classifier; Dumitru Dan Burdescu, Marian Cristian Mihaescu, Bogdan Logofatu
- 286 P** SVAEC: A Dynamic Environment for Managing Knowledge; Fernando J. Sanchez-Zamora, Martin Llamas-Nistal
- 10 P** The Virtual Conductor: Learning and Teaching about Music, Performing, and Conducting; Anton Nijholt, Dennis Reidsma, Rob Ebberts, Mark ter Maat
- 219 P** Using Dynamic Stories to Communicate Security and Safety Issues; Stefanie A. Hillen, Finn-Olav Sveen, Jose J. Gonzalez
- 302 P** Workflow Planning for E-learning Center Management; Arturo González-Ferrer, Luis Castillo, Juan Fernández-Olivares, Lluvia Morales
- 12 P** Multiple-Choice Question Enhanced with Interactive Software for Autonomous Learning; Yvan Duroc, Tan-Phu Vuong
- 3 P** Integrating Wireless Interaction into the Lecture Theatre; Darren P. Mundy, James Proctor