

Thursday 10:30 - 12:30 Massive Open Online Courses			
Chair: Davinia Hernández-Leo			
Room 3			
Type	Authors	Title	
Full	Rebecca Ferguson and Mike Sharples	Innovative Pedagogy at Massive Scale: Teaching and Learning in MOOCs	30
Full	José A. Ruipérez-Valiente, Pedro J. Muñoz-Merino, Carlos Delgado Kloos, Katja Niemann, Maren Scheffel	Do Optional Activities Matter in Virtual Learning Environments?	30
Short	Carlos Alario-Hoyos, Mar Pérez-Sanagustín and Carlos Delgado Kloos	Are we all on the same Boat? Coordinating Stakeholders for the Design of MOOCs	15
Short	Carmen De Maio, Vincenzo Loia, Giuseppina Rita Mangione, Francesco Orciuoli	Automatic Generation of SKOS Taxonomies for Generating Topic-based User Interfaces in MOOCs	15
Full	Sabrina Ziebarth and H. Ulrich Hoppe	Moodle4SPOC: A Resource-Intensive Blended Learning Course	30

Thursday 10:30 - 12:15 Engineering & Evaluation of TEL Applications			
Chair: Fridolin Wild			
Room 4			
Type	Authors	Title	
Full	Hendrik Drachler, Slavi Stoyanov, Mathieu d'Aquin, Eelco Herder, Marieke Guy, Stefan Dietze	An Evaluation Framework for Data Competitions in TEL	30
Short	Michael Derntl, István Koren, Petru Nicolaescu, Dominik Renzel, Ralf Klamma	Blueprint for Software Engineering in Technology Enhanced Learning Projects	15
Short	Rocael Hernández, Christian Gütl, Hector R. Amado-Salvatierra	Using JSON-LD and Hydra for Cloud-based Tool In-teroperability: A Prototype Based on a Vocabulary and Communication Process Handler for Mind Map Tools	15
Full	Blandine Ginon, Le Vinh Thai, Stéphanie Jean-Daubias, Marie Lefevre, Pierre-Antoine Champin	Adding epiphytic assistance systems in learning applications using the SEPIA system	30
Short	Amel Yessad, Isabelle Mounier, Jean-Marc Labat, Fabrice Kordon, Thibault Carron	Have you found the error? A Formal Framework for Learning Game Verification	15

Thursday 10:30 - 12:15 Industry – Learning at the workplace	
Chair: Nils Faltin	
Room 5	
Speaker	Title
Ellinor Wallin	IMAILE – the first PCP project within technology enhanced learning (TEL) and the field of Education
Peter Bruck	Crowd sourcing of implicit knowledge: Accessing the knowledge assets of organisations
Nils Faltin	Reflective Learning for a Time Management Online Course

Thursday 13:30 - 15:15 Learning Design			
Chair: Ines di Loreto			
Room 3			
Type	Authors	Title	
Full	Alessandro Arpetti, M. Cecília C. Baranauskas and Tommaso Leo	Eliciting Requirements for Learning Design Tools A Semio-Participatory Approach	30
Full	Esteban Loiseau, Pierre Laforcade and Sébastien Iksal	Abstraction of Learning Management Systems Instructional Design Semantics: a Meta-Modeling approach applied to the Moodle case-study	30
Full	Juan C. Vidal, Manuel Lama, Borja Vázquez, Manuel Mucientes	Reconstructing IMS LD units of learning from event logs	30
Short	Sebastian Dennerlein, Matthias Rella, Vladimir Tomberg, Dieter Theiler, Tamsin Treasure-Jones, Micky Kerr, Tobias Ley, Mohammad Al-Smadi, Christoph Trattner	Making Sense of Bits and Pieces: A Sensemaking Tool for Informal Workplace Learning	15

Thursday 13:30 - 15:00 Lecture enrichment & Cooperative Learning			
Chair: Isa Jahnke			
Room 4			
Type	Authors	Title	
Full	Vera Gehlen-Baum, Armin Weinberger, Alexander Pohl, Francois Bry	Technology use in lectures to enhance students' attention	30
Full	Johannes Konert, Dmitrij Burlak, Ralf Steinmetz	The Group Formation Problem: An Algorithmic Approach to Learning Group Formation	30
Short	André Luis Corrêa, Cíntia Regina Lacerda Rabello, Alexandra Okada	Reliability of web-based information in inquiry projects	15
Short	Min Ji, Christine Michel, Elise Lavoué, Sébastien George	DDART, a Dynamic Dashboard for Collection, Analysis and Visualization of Activity and Reporting Traces	15

Thursday 13:30 - 15:00 Industry – Serious games, gamification and natural interaction in learning	
Chair: Jon Arambarri	
Room 5	
Speaker	Title
Jon Arambarri	Technology enhanced learning (TEL); on step into enterprises training needs
Wayne Holmes	Rehabilitating Chocolate-Covered Broccoli

Friday 10:30 - 12:15 Mobile & Workplace Learning Chair: Ulrich Hoppe Room 3			
Type	Authors	Title	
Full	Roland Klemke, Stefaan Ternier, Marco Kalz, Birgit Schmitz, Marcus Specht	Immersive multi-user decision training games with ARLearn	30
Short	Fridolin Wild, Peter Scott, Jaakko Karjalainen, Kaj Helin, Salla Lind-Kohvakka, Ambjoern Naeve	An augmented reality job performance aid for kinaesthetic learning in manufacturing work places	15
Short	Christothea Herodotou, Eloy Villasclaras-Fernández, Mike Sharples	The design and evaluation of a sensor-based mobile application for citizen inquiry science investigations	15
Full	David Cabiellas-Hernández, Juan Ramón Pérez-Pérez, MPuerto Paule-Ruiz, Víctor M. Álvarez-García, Samuel Fernández-Fernández	dmTEA: Mobile learning to aid in the diagnosis of autism spectrum disorders	30
Short	Irina Diaconita, Christoph Rensing, Stephan Tittel	Getting the Information You Need, When You Need It: A Context-aware Q&A System for Collaborative Learning	15

Friday 10:30 - 12:30 Recommender Systems Chair: Sergey Sosnosvky Room 4			
Type	Authors	Title	
Full	Nguyen Ngoc Chan, Azim Roussanaly, Anne Boyer	Learning Resource Recommendation: An Orchestration of Content-Based Filtering, Word Semantic Similarity and Page Ranking	30
Full	Katja Niemann, Martin Wolpers	Usage-based Clustering of Learning Resources to Improve Recommendations	30
Full	Soude Fazeli, Babak Loni, Hendrik Drachsler, Peter Sloep	Which Recommender System Can Best Fit Social Learning Platforms?	30
Full	Oscar Chavarriaga, Beatriz Florian-Gaviria, Oswaldo Solarte	A Recommender System for Students Based on Social Knowledge and Assessment Data of Competences	30

Friday 10:30 - 12:30 Social Learning & TEL research analysis Chair: Francois Bry Room 5			
Type	Authors	Title	
Full	Javiera Born, Eliana Scheihing, Julio Guerra, Luis Cárcamo	Analysing Microblogs of Middle and High School Students Participating in Kelluwen	30
Full	Cayetano Medina and Ramón Rufín	Social network sites as a moderating factor in e-learning platform adoption. An extension	30
Full	Ilknur Celik, Cyril Schoreels	Use of Social Media across Different Generations in Higher Education in a Developing Country	30
Full	Ricardo Kawase, Patrick Siehndel, Ujwal Gadiraju	Technology Enhancing Learning: Past, Present and Future.	30

Friday 13:30 - 15:15 Technology enhanced Learning at School			
Chair: Marcus Specht			
Room 3			
Type	Authors	Title	
Full	Isa Jahnke, Lars Norqvist and Andreas Olsson	Digital Didactical Designs of Learning Expeditions	30
Short	Lars Norqvist, Isa Jahnke, Andreas Olsson	The Learners' Expressed Values of Learning in a Media Tablet Learning Culture	15
Short	Lena Pareto, Sara Willermark	Can teachers' fragmented work situation jeopardize professional development of future teaching practices?	15
Full	Olga Firssova, Marco Kalz, Dirk Börner, Fleur Prinsen, Ellen Rusman, Stefaan Ternier, Marcus Specht	Mobile Inquiry-Based Learning with Sensor-Data in the School: Effects on Student Motivation	30
Short	Madiha Shafaat Ahmad, Nguyen Thinh Le, Niels Pinkwart	Requirements for Learning Tools Supporting School Field Trips	15

Friday 13:30 - 15:00 Learning Analytics & Assessment			
Chair: Carlos Delgado-Kloos			
Room 4			
Type	Authors	Title	
Full	Tomasz D. Loboda, Julio Guerra, Roya Hosseini, Peter Brusilovsky	Mastery Grids: An Open Source Social Educational Progress Visualization	30
Full	Ilya Goldin, Maggie Renken, April Galyardt, Ellen Litkowski	Individual differences in identifying sources of science knowledge	30
Short	Samuel González López, Aurelio López-López	Analysis of Concept Sequencing in Student Drafts	15
Short	Thomas S. McTavish, Johann Ari Larusson	Labeling Mathematical Errors to Reveal Cognitive States	15

Fr. 13:30 - 15:15 Adaptive Systems			
Chair: Mike Sharples			
Room 5			
Type	Authors	Title	
Full	Susanne Narciss, Sergey Sosnosvky and Eric Andres	Adapting Tutoring Feedback Strategies to Motivation	30
Full	Manolis Mavrikis, Beate Grawemeyer, Alice Hansen, Sergio Gutierrez-Santos	Exploring the Potential of Speech Recognition to Support Problem Solving and Reflection: Wizards go to school in the elementary maths classroom	30
Full	Ruth Janning, Carlotta Schatten and Lars Schmidt-Thieme	Feature Analysis for Affect Recognition Supporting Task Sequencing in Adaptive Intelligent Tutoring Systems	30
Short	Conor Gaffney, Thanos Staikopoulos, Ian O'Keeffe, Owen Conlan, Vincent Wade	A Training Framework for Adaptive Educational Hypermedia Authoring Tools	15

Tuesday 09:00 – 17:30 Doctoral Consortium Room 9	
Authors	Title
Bernardo Tabuenca	Seamless support for lifelong learners with mobile technology
Raja M. Suleman	Negotiation Driven Learning: A new perspective of learning using negotiation
Gene Dalton	Gaeilge Gaming: Irish Language Learning for Children in a 3D Virtual Environment
Jan Schneider	Sensor-based Learning Support
Angel Suarez Fernandez	Mobile Seamless Learning Support in Inquiry-Based Learning
Mohsen Saadatmand	An Investigation into Learning Ecology in Connectivist Massive Open Online Courses (cMOOCs): Learners' Perspectives

Demos / Posters

Thursday, 18 Sept. 15:45 - 17:30 Demo Shootout Session		
Thursday, 18 Sept. 17:30 - 18:30 Demo exhibition & Voting		
Type	Authors	Title
Demo	Anke Berns, Manuel Palomo-Duarte, Juan Manuel Dodero, Alberto Cejas	Guess it! Using gamificated apps to support students foreign language learning by organic community-driven peer-assessment
Demo	Jan Géryk, Lubomír Popelínský	Towards Academic Analytics by Means of Motion Charts
Demo	Davinia Hernández-Leo, Juan I. Asensio-Pérez, Michael Derntl, Luis P. Prieto, Jonathan Chacón	ILDE: Community Environment for Conceptualizing, Authoring and Deploying Learning Activities
Demo	Marjan Khobreh, Fazel Ansari, Mareike Dornhöfer, Réka Vas, Madjid Fathi	Med-Assess System for Evaluating and Enhancing Nursing Job Knowledge and Performance
Demo	Martin Labaj, Marián Šimko, Jozef Tvarožek, Mária Bielíková	Integrated Environment for Learning Programming
Demo	Pablo Linás, Pablo Haya, Miguel A. Gutierrez, Estefanía Martín, Jorge Castellanos, Isidoro Hernán, Jaime Urquiza	ClipIt: Supporting Social Reflective Learning through Student-Made Educational Videos
Demo	Yongwu Miao, Mohammed Samaka, Disi Wang	PLATE Workbench: A PBL Authoring Tool
Demo	Yuliyan Nakov, Veronika Kozareva	vCL: Platform for Customizing Individual and Group Learning
Demo	M. Ali Rostami, H. Martin Bücken, Azin Azadi	Illustrating a Graph Coloring Algorithm Based on the Principle of Inclusion and Exclusion Using GraphTea
Demo	José A. Ruipérez-Valiente, Pedro J. Muñoz-Merino, Carlos Delgado Kloos	A demonstration of ALAS-KA: A learning analytics tool for the Khan Academy platform
Demo	Jan Schneider, Dirk Börner, Peter van Rosmalen, Marcus Specht	Presentation Trainer: a toolkit for learning non-verbal public speaking skills
Demo	Lei Shi, Alexandra I. Cristea	Designing Visualisation and Interaction for Social E-Learning: A Case Study in Topolor 2
Demo	Angel Suarez, Stefaan Ternier, Marco Kalz, Marcus Specht	GPIM: Google Glassware for Inquiry-Based Learning
Demo	Bernardo Tabuenca, Marco Kalz, Marcus Specht	Lifelong Learning Hub: A seamless tracking tool for mobile learning
Demo	Vasilis Zafeiropoulos, Dimitris Kalles, Argyro Sgourou, Achilleas Kameas	Adventure-Style Serious Game for a Science Lab
Demo	Raphael Zender, Marlene Karlapp, Fritz Rose, David Silva-Ribeaux, Volker Wölfert, Ulrike Lucke	A Multi-purpose Ecosystem for systematic Gesture Control in Educational Settings
Demo	Bas Hennekam, David Nickerson, Alan Garny, Michele Gerbrands, Anne-Petra Rozendal, Ellen Torfs, Harold van Rijen, Teun de Boer	eSolv, a CellML-based simulation front-end for online teaching
Demo	Rocael Hernández Rizzardini, Hector R. Amado-Salvatierra	Cloud Learning Activities Orchestration (CLAO): Demonstration for a working prototype based on a Vocabulary and Communication Process Handler for Mind Map Tools
Demo	Manolis Mavrikis, Sergio Gutierrez Santos	Talk, Tutor, Explore, Learn Intelligent Tutoring and Exploration for Robust Learning
Demo	Klaus Quibeldey-Cirkel, Christoph Thelen, Paul-Christian Volkmer, Andreas Gärtner, Daniel Gerhardt	Agile Teaching Based on Pedagogical Feedback Loops: JITT, Peer Instruction, and Instant Feedback with the Audience Response System ARSnova

Wednesday, 17 Sept. 18:30 - 22:30 Welcome-Reception & Poster exhibition		
Type	Authors	Title
Poster	María Aristeidou, Eileen Scanlon, Mike Sharples	Inquiring Rock Hunters
Poster	Brahim Batouche, Armelle Brun, Anne Boyer	Unsupervised Machine Learning based on recommendation of pedagogical resources
Poster	Rachid Belmeskine, Dominique Lecllet-Groux, Ahlame Begdouri	Toward maximizing access knowledge in learning: Adaptation of Interactions in a CoP Support System
Poster	Safa Ben Salem, Lilia Cheniti-Belcadhi, Rafik Braham	An assessment methodology of short and open answer questions SOAQs
Poster	Osmel Bordiés, Andreas Papasalouros, Yannis Dimitriadis	Estimating the gap between informal descriptions and formal models of artifact flows in CSCL
Poster	Thierry Condamines, Dominique Lecllet, Hanane Barramou	An Elicitation Process for know-How Transfer of Teachers' Usual Practices by a Task/Method approach
Poster	Violeta Damjanovic, Dietmar Glachs, Nikolay Tcholtchev, Eric Ras, Eric Tobias	EAGLE – Open Data and Linked Data Architecture of an Enhanced Government Learning Platform
Poster	Nour El Mawas, Lahcen Oubahssi, Pierre Laforcade, Aymen Abedmouleh	Towards the identification and formalization of LMS instructional design languages
Poster	Rebecca Ferguson, Denise Whitelock	Taking on Different Roles: How Educators Position Themselves in MOOCs
Poster	Christian Gailer, Martin Ebner, Michael Kopp, Elke Lackner, Michael Raunig, Alexei Scerbakov	Potential of EPUB3 for Digital Textbooks in Higher Education
Poster	Giorgi Gogvadze	Examat: Intelligent Exercise Services for Mathematics Learning
Poster	Beate Grawemeyer, Manolis Mavrikis, Alice Hansen, Claudia Mazziotti, Sergio Gutierrez-Santos	Employing Speech to Contribute to Modelling and Adapting to Students' Affective States
Poster	Elizabeth J. Hartnett, Nils Malzahn, Rick Goldsmith	Video performances juxtaposing STEM with creativity
Poster	Sokratis Karkalas, Sergio Gutierrez-Santos	Eclipse Student (In)Activity Detection Tool
Poster	Margarida Lucas	Map of Relational Links – Visualizing knowledge construction
Poster	Alexander Mikroyannidis	The weSPOT Inquiry Space: A Personal and Social Environment for Inquiry-Based Learning
Poster	Baptiste Monterrat, Elise Lavoué, Sébastien George	A Framework to Adapt Gamification in Learning Environments
Poster	Lahcen Oubahssi, Claudine Piau-Toffolon, Jean-Pierre Claye, Nour El Mawas	Design and operationalization of learning situations based on patterns for a public in professional development
Poster	Neuza Pedro, João Filipe Matos, Ana Pedro	Digital Technologies, Teachers' Competences, Students' Engagement And Future Classroom: ITEC Project
Poster	Alex Rayón, Mariluz Guenaga, Asier Nuñez	Heterogeneous educational data integration and knowledge discovery to supporting competency assessment in SCALA web tool
Poster	Michael Schmidt, Uta Schwertel, Christina Di Valentin, Andreas Emrich, Dirk Werth	The Social Navigator: A Personalized Learning Platform for Social Media Education
Poster	Uta Schwertel, Yvonne Kammerer, Clara Oloff, Peter Gerjets, Michael Schmidt	Assessing and Training Social Media Skills in Vocational Education supported by TEL Instruments
Poster	Raja M. Suleman, Riichiro Mizoguchi, Mitsuru Ikeda	Negotiation-Driven Learning
Poster	Behnam Taraghi, Anna Saranti, Martin Ebner, Arndt Großmann, Vinzent Müller	Adaptive Learner Profiling Provides the Optimal Sequence of Posed Basic Mathematical Problems
Poster	Patricia Thibaut Paez	Teaching and learning processes in a school learning network
Poster	Mehmoosh Vahdat, Luca Oneto, Alessandro Ghio, Giuliano Donzellini, Davide Anguita, Mathias Funk, Matthias Rauterberg	A Learning Analytics Methodology to Profile Students Behavior and Explore Interactions with a Digital Electronics Simulator
Poster	Alexandra Forstner, Christian Swertz, Alexander Schmözl, Alessandro Barberi	Applied Pedagogical Ontology in Moodle for INTUITEL
Poster	Bernardo Tabuenca	Ubiquitous support for lifelong learners