



The 8th International Conference on Web-based Learning

ICWL 2009



**August 19-21, 2009
RWTH Aachen University
Aachen, Germany**

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Dear ICWL 2009 Attendees,

Welcome to the 8th annual International Conference on Web-Based Learning in the old Imperial City of Aachen, Germany. Since the first event in Hong Kong in 2002, ICWL has become a truly international conference held in Australia (2003), China (2004), Hong Kong (2005), Malaysia (2006), United Kingdom (2007), and China (2008). This truly international character of ICWL is also reflected in ICWL 09 where the authors of accepted papers come from 22 countries in 3 continents.



ICWL 2009 has been jointly organized by the Hong Kong Web Society, RWTH Aachen University, and the Max-Planck Institute for Computer Science. We are grateful to many supporting organizations, especially the UMIC Excellence Cluster on Ultra-Highspeed Mobile Information and Communication at RWTH Aachen University, the inside group of companies, and the EU Integrated Project on Responsive Open Learning Environments (ROLE).

We are proud of our renowned Keynote Speakers Eric Duval and Wolfgang Nejdl, and our Invited Speakers. The 36 technical papers, selected with an acceptance rate of only one third, provide latest research results, while four workshops discuss early ideas for the future.

Aachen welcomes you as a city with rich culture, high-tech research, and a truly European spirit. In 800, Charlemagne not only started the ancestry of what is now Germany and France but also convened a circle of world-class scientists with connections all the way to Baghdad, at that time perhaps the top center of mathematics in the world (the word algorithm dates from there). The ICWL venue is in easy walking distance from the city center with its 1200 year old imperial cathedral and the city hall, formerly Charlemagne's palace.

Nowadays, Aachen hosts the largest technical university in Central Europe with over 30,000 students and a corona of research labs both in the public sector (Fraunhofer, FZ Julich) and from industry (Ericsson Eurolabs, Ford Europe Labs, Philips Research, European Microsoft Innovation Center). About 1,200 spin-off companies from RWTH Aachen University have created over 40,000 jobs in the region over the past 20 years alone. Our social program offers you ample opportunity to enjoy the Aachen spirit, even if you industriously attend all the sessions of the scientific program.

Too many people have contributed to the conference to thank all of them individually. Representative of their teams, let me at least mention my General Co-Chairs Ralf Klamma and Rynson Lau, the Program Co-Chairs Qing Li and Marc Spaniol, and the Organizing Chair Yiwei Cao.

The true success of the conference, of course, lies in lively discussions among all the contributing authors and the other attendees to bring the field forward. I wish all of you a stimulating and enjoyable ICWL 2009!

Sincerely,

General Chair
Matthias Jarke

Program Overview

9.00 - 9.30	Welcome (G)	
9.30 - 10.15	Keynote 1 (G)	
10.15 - 10.45	Break	
	(G)	(F)
10.45 - 13.00	Session 1	Session 2
13.00 - 14.00	Lunch (S)	
14.00 - 16.15	Session 3	Session 4
16.15 - 16.45	Break	
16.45 - 17.45	Session 5	Session 6
17.45 - 18.15	Invited 1 (G)	
19.30 - 22.00	Reception	

Wednesday
August 19

9.00 - 9.45	Keynote 2 (G)	
9.45 - 10.15	Invited 2 (G)	
10.15 - 10.45	Break	
	(G)	(F)
10.45 - 13.00	Session 7	Session 8
13.00 - 14.00	Lunch (S)	
14.00 - 15.45	Session 9	Session 10
15.45 - 16.15	Break	
16.15 - 17.45	Session 11	Session 12
17.45 - 18.15	Invited 3 (G)	
18.15 - 18.45	Closing Session (G)	
19.30 - 23.00	Banquet	

Thursday
August 20

Full Papers 20 + 5 min each
Short Papers 15 + 5 min each
Invited Papers 25 + 5 min each
Keynotes 35 + 10 min each

Location:

(G) = Generali Hall
(F) = Ford Hall
(S) = Sparkasse Forum

Tuesday, August 18: ROLE General Assembly

Friday, August 21: Workshops

- Story-Telling and Educational Games (STEG'09)
- Virtual Worlds for academic, organizational, and life-long learning (ViWo'09)
- Social Information Retrieval for Technology-Enhanced Learning (SIRTEL'09)
- Joining Educational Mathematics (JEM'09)

Local Sightseeing Tour

Keynote Talks

Learning in Times of Abundance: The Snowflake Effect

Erik Duval, Dept. Computerwetenschappen, Katholieke Universiteit Leuven

Location: Generali Hall – August 19, 9.30 - 10.15



Abstract: In this keynote, Prof. Erik Duval will discuss how we are evolving towards a global open learning infrastructure with an abundance of learning resources. This is the result of more than 15 years of work on technical standards and interoperability. Abundance is certainly a better situation than the earlier scarcity of resources and creates many opportunities for innovation. However, teachers and learners can be a bit overwhelmed by the large numbers and wide variety of resources and we need to help them to focus on what is relevant to them. The Snowflake Effect is our approach of dealing with this issue, based on massive hyper-personalization.

Erik Duval is a professor of computer science at the Katholieke Universiteit Leuven, Belgium. His research interests include: metadata, learning objects, a global learning infrastructure based on open standards and mass personalization ("The Snowflake Effect"). Prof. Duval teaches courses on Human-Computer Interaction, Multimedia and Problem Solving and Design. Erik serves as the president of the ARIADNE Foundation, chairs the IEEE LTSC working group on Learning Object Metadata and is a fellow of the AACE. He co-founded two spin-offs that apply research results for access to music and scientific output. See also <http://erikduval.wordpress.com/> and <http://www.cs.kuleuven.be/~erikd/>

Exploiting User Generated Content to Improve Search

Wolfgang Nejdl, Dept. Computer Science, University of Hannover

Location: Generali Hall – August 20, 9.00 - 9.45



Abstract: More and more information is available on the Web, and the current search engines do a great job to make it accessible. Yet, optimizing for a large number of users, they usually provide good answers only to "most of us", and have to provide satisfying mechanisms to search for audiovisual content. In this talk I will present ongoing work at L3S addressing these challenges, done in the context of several EU projects on PIM and web search. Regarding search for audiovisual content, I will focus on exploiting user generated information, and discuss what kinds of tags are used for different resources and how they can help for search. Collaborative tagging has become an increasingly popular means for sharing and organizing Web resources, leading to a huge amount of user generated metadata. These tags represent different aspects of the resources they describe and it is not obvious whether and how these tags or their subsets can be used for search. I will present an in-depth study of tagging behavior for different kinds of resources - Web pages, music, and images. The promising results provide insight into both the use of different kinds of tags for improving search and possible extensions of tagging systems to support the creation of potentially search-relevant tags.

Prof. Dr. Wolfgang Nejdl (born 1960) has been full professor of computer science at the University of Hannover since 1995. He received his M.Sc. (1984) and Ph.D. degree (1988) at TU of Vienna, was assistant professor in Vienna (1988 – 1992), and associate professor at RWTH Aachen (1992 – 1995). He worked as visiting researcher/professor at Xerox PARC, Stanford University, University of Illinois at Urbana-Champaign, EPFL Lausanne, and PUC Rio. He heads the Distributed Systems Institute/Knowledge Based Systems and the L3S Research Center. His research areas are search and information retrieval, semantic web, p2p information systems, technology-enhanced learning, databases and artificial intelligence. He published more than 200 scientific papers and has been program chair, program committee and editorial board member of numerous international conferences and journals, see also <http://www.kbs.uni-hannover.de/~nejdl/>

Invited Papers

Web-based Learning – Yes We Can!

Ulrik Schroeder, RWTH Aachen, Germany

Location: Generali Hall – August 19, 17.45 - 18.15



Abstract: Web-based Learning has become a matter of fact at universities. We are now at the edge of new developments with Web 2.0 applications and social software is radically changing the way of how we communicate and share in social networks. Can we expect an analogous revolution for university education 2.0? I will give some arguments that I rather expect an incremental evolution

than a radical change. First, I take a look at current eLearning implementations and organizational frameworks and give an example from RWTH Aachen University. Against the background of cognitive theories the utilization of Web 2.0 applications are promising to strengthen 21st century learning. But methods and tools must be adapted to the context of institutional learning as well as the formal regulations must be adjusted vice versa.

Ulrik Schroeder has been professor of Computer Science at RWTH Aachen University since 2002. He heads the research group Computer-supported Learning and Didactics in Computer Science (<http://eLearn.rwth-aachen.de/>) as well as the CiL (Center for integrative teaching and learning Of RWTH Aachen University: <http://www.cil.rwth-aachen.de/>). His research includes assessment and intelligent feed back with a focus on learning processes, Web 2.0 applications and social software in education, mobile internet and learning, gender mainstreaming in education, Computer Science didactics. Prof. Schroeder teaches courses on eLearning, Web Technologies, Instructional Design and Computer Science Education.

On Social e-Learning

Won Kim, Sungkyunkwan University, Korea

Location: Generali Hall – August 20, 9.45 - 10.15



Abstract: Social Web sites include social networking sites and social media sites. They make it possible for people to share user-created contents online and to interact and stay connected with their online people networks. The social features of social Web sites, appropriately adapted, can help turn e-learning into social e-learning and make e-learning significantly more effective. In this paper, we develop requirements for social e-learning systems. They include incorporating the many of the social features of social Web sites, accounting for all key stakeholders and learning subjects, and curbing various types of misuses by people. We also examine the capabilities of representative social e-learning Web sites that are available today.

Won Kim is currently a professor and university fellow with the School of Information and Communication Engineering in Sungkyunkwan University (SKKU) in Suwon, S. Korea. He is also a senior advisor with Xener Systems, Inc. in Seoul, S. Korea. He received a Ph.D. in computer science from the University of Illinois at Urbana-Champaign. He received a B.S. and M.S. from the Massachusetts Institute of Technology. He is best-known as one of the pioneers of object-oriented and object-relational database technologies. He led the ORION object-oriented database systems project at MCC, Austin, Texas in the late 1980s. He founded UniSQL and created the world's first commercial object-relational database system in the early 1990s. On the side, he founded and served as Chair of ACM's SIGKDD data mining society, and as Editor-in-Chief of ACM's Transactions on Internet Technology journal. He also served as Chair of ACM's SIGMOD data management society, and as Editor-in-Chief of ACM's Transactions on Database Systems. He is an ACM Fellow, and received such awards as ACM's Distinguished Services Award, ACM SIGMOD Test of Time Research Award, VLDB Ten Year Best Paper Award, etc. His current research umbrella is social computing architecture, which includes such subjects as social Web sites, Internet search engine architecture, Web mining, cloud computing, networked embedded systems, and HCI usability.

Personal Services: Debating the Wisdom of Personalisation

Helen Ashman, UniSA, Australia

Location: Generali Hall – August 20, 17.45 - 18.15



Abstract: Personalisation has been seen as the answer to the vast quantity of information now available digitally. Information is tailored to meet each user's apparent needs, whether making use of Web-based learning materials, purchasing from online sites, accessing entertainment products or any other potentially-personalisable facility. Yet before rushing headlong into personalising everything, including online learning systems, we need to consider the threats posed by the capture of so much data about individuals, the implications of personalised information delivery, and whether the benefits of personalisation justify the costs. In this paper, we look at both the issues and benefits of personalisation, and consider how to steer our way to a safe and valuable use of personalisation.

Helen Ashman has worked in hypertext and Web research since 1992, starting with the Australian Defence Science and Technology Organisation, then spending a year in Southampton with Wendy Hall's group before doing a PhD with RMIT on dynamic hypertext. She then moved to the University of Nottingham, where she set up the Web Technologies Group and became Editor-in-Chief of the new ACM Transactions on the Web. She recently moved back to Australia and now leads the WebTech and Security Lab at the University of South Australia. She has recently guest-edited special issues on Distance Learning and Emerging Internet Technologies and Applications for e-Learning for IEEE Internet Computing. Personalisation has always been one of her interests, whether in the military context or educational, and at the same time so has security and privacy. While she believes in the promise of personalisation, she feels it needs to be experimentally validated, especially in the e-learning context, so that it can be proved to live up to its promise.

ICWL 2009 Program – August 19

Session 1		Social Software and Web 2.0 for Technology Enhanced Learning
10.45 - 13.00	Location: Generali - Full Papers Chair: Helen Ashman	
10.45 - 11.10	Klaus Wannemacher. Articles as Assignments – Modalities and Experiences of Wikipedia Use in University Courses	
11.10 - 11.35 ΣB	Riina Vuorikari, Martin Sillaots, Silvia Panzavolta and Rob Koper. Are tags from Mars and descriptors from Venus? A study on the ecology of educational resource metadata	
11.35 - 12.00	Felix Mödritscher and Fridolin Wild. Sharing Good Practice through Mash-Up Personal Learning Environments	
12.00 - 12.25	Anh Vu Nguyen-Ngoc and Effie Lai-Chong Law. Challenges for Blog Analysis and Possible Solutions	
12.25 - 12.50	Sibren Fetter, Adriana Berlanga and Sloep Peter. Enhancing the Social Capital of Learning Communities by Using an Ad Hoc Transient Communities Service	
Session 2		Mobile and Adaptive Learning
10.45 - 13.00	Location: Ford - Full Papers Chair: Maria Grazia Ierardi	
10.45 - 11.10	Ahmed Al-Hmouz, Jun Shen and Jun Yan. A Machine Learning based Framework for Adaptive Mobile Learning	
11.10 - 11.35	Elvira Popescu. Evaluating the Impact of Adaptation to Learning Styles in a Web-based Educational System	
11.35 - 12.00	Fawaz Ghali and Alexandra Cristea. Social Reference Model for Adaptive Web Learning	
12.00 - 12.25	Anna Wingkvist and Morgan Ericsson. A Meta-model Describing the Development Process of Mobile Learning	
12.25 - 12.50	Frederick W.B. Li, Rynson W.H. Lau and Parthiban Dharmendran. A Three-Tier Profiling Framework for Adaptive e-Learning	
Session 3		Pedagogical Issues
14.00 - 16.15	Location: Generali - Full Papers Chair: Frederick W.B. Li	
14.00 - 14.25	Benedikt Schmidt and Uwe Riss. Task Patterns as Means to Experience Sharing	
14.25 - 14.50	Terje Väljataga. If a student takes control: facilitator's tasks and responsibilities	
14.50 - 15.15 ΣB	Karen Stepanyan. Student Engagement with Peer Assessment: a Review of Pedagogical Design and Technologies	
15.15 - 15.40	Makis Leontidis and Constantin Halatsis. Integrating Learning Styles and Personality Traits into an Affective Model to Support Learner's Learning	
15.40 - 16.05	Elvira Popescu. Addressing Learning Style Criticism: The Unified Learning Style Model Revisited	

Session 4 14.00 - 16.15	Location: Ford - Full Papers Chair: Baltasar Fernández-Manjón	Learning Resource Deployment, Organization and Management
14.00 - 14.25	Thomas Osburg and Albená Todorova. Online Platform Support for Sustained, Collaborative and Self-Directed Engagement of Teachers in a Blended Professional Development Program	
14.25 - 14.50	Kaili Wang and Philippe Trigano. Unit of Learning Model for LMS/LCMS Integrating Psycho-pedagogical Elements	
14.50 - 15.15	George Gogvadze. Semantic Evaluation Services for Web-Based Exercises	
15.15 - 15.40	Paola Forcheri, Maria Grazia Ierardi, Serena Alvino and Luigi Sarti. The pedagogical dimension of metadata for learning resources: the POEM model	
15.40 - 16.05	Ioannis Kazanidis and Maya Satratzemi Efficient authoring of SCORM courseware adapted to user learning style: the case of ProPer SAT	
Session 5 16.45 - 17.45	Location: Generali - Short Papers Chair: Ulrik Schroeder	Design, Model and Framework of E-learning Systems 1
16.45 - 17.05	Chun-Ying Chen. Influence of Perceived Information Overload on Learning in Computer-Mediated Communication	
17.05 - 17.25	Stefanie Sieber and Andreas Henrich. Effectively Managing and Processing Personal Learning Content	
17.25 - 17.45	Fabrizio Boldini, Maria Rita Bracchini, Philippos Pouyioutas, Emiliós Solomou and Christina Ioannou. The EUCLIDES (Enhancing the Use of Cooperative Learning to Increase Development of Science studies) Project – An On-Line Learning Portal Utilizing Problem-Based Learning	
Session 6 16.45 - 17.45	Location: Ford - Short Papers Chair: Mart Laanpere	Educational Gaming and Social Web
16.45 - 17.05	Stefan Trausan-Matu, Vlad Posea, Traian Rebedea and Costin Chiru. Using the Social Web to Supplement Classical Learning	
17.05 - 17.25	Ada Angeli Cariaga, Ma. Rowena Solamo, Rommel Feria and Jay Andrae Salvador. Kinespell: Kinesthetic Learning Activity and Assessment in a Digital Game-based Learning Environment	
17.25 - 17.45	Kuang-Min Huang, Jui-Hung Chen, Chun-Yi Shen, Timothy K. Shih and Louis R. Chao. Developing the 3D Adventure Game-Based Assessment System with Wii Remote Interaction	

ICWL 2009 Program – August 20

Session 7 10.45 - 13.00	Location: Generali - Full Papers Chair: Heide Lukosch	Design, Model and Framework of E-learning Systems
10.45 - 11.10	Jean-Noel Colin, Tien-Dung Le and David Massart. A Federated Authorization Service for Bridging Learning Object Distribution Models	
11.10 - 11.35	Daniela Borissova and Ivan Mustakerov. A Framework of Multimedia E-learning Design for Engineering Training	
11.35 - 12.00 Σ[B]	Susanne Neumann and Petra Oberhuemer. User Evaluation of a Graphical Modeling Tool for IMS Learning Design	
12.00 - 12.25	Yongwu Miao, Marcel Van der Klink, Jo Boon, Peter Sloop and Rob Koper. Toward an Integrated Competence-based System Supporting Lifelong Learning and Employability: Concepts, Model, and Challenges	
12.25 - 12.50	Colin Allison, Alan Miller, Iain Oliver and Thomas Sturgeon. Global Connections for Lasting Impressions: Experiential learning about TCP in the wild	
Session 8 10.45 - 13.00	Location: Ford - Full Papers Chair: Elvira Popescu	Practice and Experience Sharing
10.45 - 11.10	Michael Derntl. Understanding and Facilitating Student Bloggers: Towards a Blogging Activity Model	
11.10 - 11.35	Kiriakos Patriarcheas and Michalis Xenos. Asynchronous distance education forum - Brainstorming vs. Snowballing: a case study for teaching in programming didactics	
11.35 - 12.00	Nikos Manouselis and Riina Vuorikari. What if annotations were reusable: a preliminary discussion	
12.00 - 12.25	Amparo Marin de la Barcena, Alexander Zlotnik, Rubén San Segundo, Juan M Montero and Ricardo Cordoba. Strengthening Web based learning through software quality analysis	
12.25 - 12.50	Wang Yonggu. A Web-based System for Visualizing and Analyzing Interaction Structure in Online Collaborative Learning	
Session 9 14.00 - 15.45	Location: Generali - Full Papers Chair: Frank Kappe	Educational Gaming and Simulation Environments
14.00 - 14.25	Wahju Agung Widjajanto, Michael Lund and Heidi Schelhowe. Enhancing the Ability of Creative Expression and Intercultural Understanding through Visual Story	
14.25 - 14.50 Σ[B]	Ángel del Blanco, Javier Torrente, Pablo Moreno-Ger and Baltasar Fernández-Manjón. Bridging the Gap: Adaptive Games and Student-Centered VLEs	
14.50 - 15.15	Jing-Yao Tang, Jui-Hung Chen, David Tawei Ku, Timothy K. Shih, Louis R. Chao and Martin M. Weng. Constructing the 2D Adventure Game-Based Assessment System	

15.15 - 15.40 Σ[B]Σ	Cord Hockemeyer, Alexander Nussbaumer, Erik Lövquist, Annette Aboulafia, Dorothy Breen, George Shorten and Dietrich Albert. Applying a Web and Simulation-Based System for Adaptive Competence Assessment of Spinal Anaesthesia
Session 10 14.00 - 15.45	Location: Ford - Full Papers Chair: Won Kim Language Learning
14.00 - 14.25	Kwong-Hung Lai, Howard Leung and Jeff K. T. Tang. Automatic Content Creation for Games to Train Students Distinguishing Similar Chinese Characters
14.25 - 14.50	Yi Zhuang, Nan Jiang and Haiyang Hu. A Web-Based Search Engine for Chinese Calligraphic Manuscript Images
14.50 - 15.15	Yiwei Cao, Ralf Klamma, Yan Gao, Rynson Lau and Matthias Jarke. A Web 2.0 Personal Learning Environment for Classical Chinese Poetry
15.15 - 15.40	Kerstin Borau, Carsten Ullrich, Jinjin Feng and Ruimin Shen. Microblogging for Language Learning: Using Twitter to Train Communicative and Cultural Competence
Session 11 16.15 - 17.45	Location: Generali - Short Papers Chair: Riina Vuorikari Design, Model and Framework of E-learning Systems 2
16.15 - 16.35	Tzone I Wang, Ti Kai Chiu, Liang Jun Huang, Ru Xuan Fu and Tung-Cheng Hsieh. An English Vocabulary Learning System based on Fuzzy Theory and Memory Cycle
16.35 - 16.55	Ercan Öztemel and Elif Yavuz. Comparison of Learning Models to Build an Infrastructure for Performance Measurement of E-Learning Systems
16.55 - 17.15	Tatiana Gavrilova, Vladimir Gorovoy and Elena Petrashen. Learning Resources Organization using Ontological Framework
17.15 - 17.35	Constanta N. Bodea and Maria Dascalu. A Parameterized Web-Based Testing Model for Project Management
Session 12 16.15 - 17.45	Location: Ford - Short Papers Chair: Philippos Pouyioutas Practice and Experience Sharing
16.15 - 16.35	Karl Kurbel, Ivo Stankov and Rastsislau Datsenka. An Evaluation of the Impact of E-Learning Media Formats on Student Perception and Performance
16.35 - 16.55	Pieter de Vries, Heide Lukosch and Gerdje Pijper. Far away yet close: the Learning Strategy of a Transport Company
16.55 - 17.15	Mart Laanpere, Kai Pata and Vladimir Tomberg. Evaluating pedagogy-driven design of IVA LMS with activity pattern analysis
17.15 - 17.35	Mohammad AL-SMADI, Christian Guetl and Frank Kappe. PASS: Peer-ASSESSment Approach for Modern Learning Settings

Σ[B]Σ Best paper nominees

Workshop Programs – August 21

STEG'09

Second Workshop on Story-Telling and Educational Games

Location: Generali Hall

8.45 - 9.00	Opening and Welcome
9.00 - 9.25	Florian Mehm, Sabrina Radke and Stefan Goebel. 80Days: Adaptive Digital Storytelling for Digital Educational Games
9.25 - 9.50	Ioanna Christou, Nikolas Perdikaris, Panagiotis Tragazikis, Alexandros Douros, Electra Galani, Dimitris Gouscos and Michalis Meimaris. "The Magic Potion" – An Adventure Game for Learning
9.50 - 10.15	Casper Hartevelde, Stephan Lukosch and Rens Kortmann. Improving Serious Game Design with Collaborative Storytelling
10.15 - 10.45	Break
10.45 - 11.10	Eeva Turtiainen, Seugnet Blignaut, Christo Els, Teemu H, Laine and Erkki Sutinen. Story-based UFractions Mobile Game in South Africa: Contextualization Process and Multidimensional Playing Experiences
11.10 - 11.25	David Farrell, Patty Kostkova, Donna Lecky and Clodna McNulty. Teaching Children Hygiene Using Problem Based Learning: The Story Telling Approach to Games Based Learning (Work-in-Progress)
11.25 - 11.40	Haroula Papadaki, Eleni Gadolou and Emmanuel Stefanakis. Collaborative GIS platforms for Storytelling - Case Study: Battleship Averof (Work-in-Progress)
11.40 - 12.05	Min Chen, Mizuki Miyashita, Beau Ufen, Bradley Bahls and Tyler Julian. A Multimedia Scripting System for Endangered Language Learning
12.10 - 13.00	Brainstorming of the Gemstone proposal
13.00 - 14.00	Lunch
14.00 - 14.25	Helen Ashman, Wayne Gartner and Kirsten Wahlstrom. War games: the role of role-playing in assessment
14.25 - 14.50	Enrique López Mañas, Javier Torrente, Pablo Moreno-Ger and Baltasar Fernandez-Manjon. Re-Telling History: A Web-based Educational Videogame for Teaching History
14.50 - 15.15	Michael Kickmeier-Rust, Dietrich Albert and Elke Mattheiss. An Educational Guide to Planet Earth: Adaptation and Personalization in Immersive Educational Games
15.15 - 16.30	Wrap-up and Brainstorming

ViWo'09

Workshop on Virtual Worlds for Academic, Organizational, and Life-long Learning

Location: Seminar Room 5.30

10:45 - 11:00	Frank Kappe. Introduction
11:00 - 11:20	Kathryn R. Trinder, David C. Moffat. Trial of Second Life™ as a teaching aid for the curriculum in Computing
11:20 - 11:40	Laura Fedeli. Avatar-assisted learning: Second Life and the new challenges of online tutoring
11:40 - 12:00	Fabio Abbattista, Fabio Calefato, Andrea De Lucia, Rita Francese, Filippo Lanubile, Ignazio Passero and Genoveffa Tortora. Virtual Worlds: do we really need the third dimension to support collaborative learning?
12:00 - 12:20	Joe Wàn and Mike Reddy. The Self Regulated Community of Learning within 3D Virtual Learning Environments
12:20 - 12:40	Francesca Bertacchini, Eleonora Bilotta, Eugenia Bossio, Pietro Pantano and Stefano Vena. Learning Chaos in an Interactive Virtual Museum
12:40 - 13:00	Frank Kappe. Group Discussion

SIRTEL'09

Workshop on Social Information Retrieval for Technology Enhanced Learning

Location: Seminar Room 5.31/ 5.32

9.00 - 9.15	Welcome and Introduction
9.15 - 9.45	H. Drachsler. Peak review of TEL Chapter for "Handbook on Recommender Systems"
9.45 - 10.15	Discussion on SIRTEL challenges for 2020
10.15 - 10.45	Break
10.45 - 11.00	F. Abel. Learn Web2.0: Resource Sharing in Social Media
11.00 - 11.40	A. Carbonara. Collaborative and Semantic Information Retrieval for Technology-Enhanced Learning
11.40 - 12.20	R.Vuorikari. Self-organisation and social tagging in a multilingual educational context
12.20 - 13.00	B. Schmidt and W. Reinhardt. Task Patterns to support task-centric Social Software Engineering
13.00 - 14.00	Lunch
14.00 - 15.00	Possible "Pecha Kucha" session

JEM'09

Final Workshop on Joining Educational Mathematics

Location: Ford Hall

9:00 - 9:15	Opening
9:15 - 9:45	Olga Caprotti. Three years of JEM
9:45 - 10:15	Hans Cuypers, Jan Willem Knopper and Hans Sterk. MESS: the MathDox Exercise System
10:15 - 10:45	Break
10:45 - 11:15	Christine Müller and Michael Kohlhase. Semantic Technologies for Mathematical eLearning
11:15 - 11:30	Christoph Lange. Towards a Wiki for Interactive Educational Mathematics
11:30 - 11:45	María Antonia Huertas. E-learning of mathematics at the UOC in the JEM context
11:45 - 12:00	Antonio Costa. Mathematics in UNED and JEM
12:00 - 12:30	Leendert van Gastel. Use the Web to close the Mathematics Gap
12:30 - 13:00	André Heck, Harm Houwing, John Val, Georgia Papageorgiou and Lilia Ekimova. Design and implementation of an e-class about continuous dynamical systems
13.00 - 14.00	Lunch
14.00 - 14:45	Mika Seppäla. JEM outlook closing remarks

Conference Venue

ICWL 2009 is hosted at the lately established Super C Building beside the grand main building of RWTH Aachen University. The outstanding architecture design and the building intelligence empowered by advanced technologies makes Super C a new landmark of RWTH Aachen



University. The ICWL 2009 presentations are given in Ford Hall and Generali Hall on the floating roof, where visitors win the best view of the Aachen Cathedral. The ICWL 2009 workshops also take place in the seminar rooms on the 5th floor of Super C.

- Address: Templergraben 57, 52056 Aachen
- Phone: +49 241 80-90801

Locations

- Keynote talks and invited paper talks: Generali Hall in Super C
- Parallel conference sessions: Generali Hall and Ford Hall in Super C
- Workshops: Generali Hall, Ford Hall, seminar rooms on the 5th floor in Super C
- Lunch: Sparkasse Forum in Super C basement

Accessibility

Super C is located very close to the city center of Aachen. It takes a 10 minutes' walk to the cathedral and market place and a 15 minutes' walk to the train station "Aachen West". It costs about 10 Euro to take a taxi from Aachen main station "Aachen Hbf". It can also be reached by bus line 13 (Bus Stop "Technische Hochschule") and bus lines 4, 7, 13, 33, 44, 47, 77, 147 (Bus Stop "Driescher Gässchen").

- Aachen public transportation: <http://www.avv.de/>
- Aachen taxi services – phone: +49 241 66666 or +49 241 58000

Social Events

Reception 1

The conference reception will be hosted for ICWL 2009 participants on Wednesday, August 19, at 19.30 in the Forum M of Mayersche Bookstore. Drinks, snacks and fruits will be served with live jazz music. Forum M is located on the roof floor of the largest bookstore of Aachen. On the roof terrace visitors receive a nice view of the cathedral, the city hall, and much other sightseeing in the heart of the old city Aachen.



- Time: August 19, 2009, 19.30 - 22.00
- Location: Forum M of Mayersche Bookstore
- Price: Free for all ICWL 2009 participants (40 Euro/accompanying person)
- Address: Buchkremerstraße 1-7, 52064 Aachen

Banquet 2

The conference banquet will be hosted for ICWL 2009 participants on Thursday August 20, at 19.30 in the ballroom of the Old Spa House (Altes Kurhaus) of Aachen. Drinks and buffet will be served. Best Paper Award will be announced. The Old Spa House has hosted many grand events since the beginning of the 18th century. It had once one of the most modern ballrooms in Europe.



- Time: August 20, 2009, 19.30 - 23.00
- Location: Altes Kurhaus
- Price: Free for all ICWL 2009 participants (40 Euro/accompanying person)
- Address: Komphausbadstr. 19, 52062 Aachen

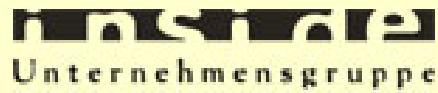
City Tour and Spa

A guided city tour to the old city of Aachen will be given in groups on Friday, August 21, at 15.00. In order for us to organize the tour groups better, participants need to register for this tour at the registration desk. In addition, ICWL participants get a voucher of special rate (15% off) for Carolus Spa.



- Time: August 21, 2009, 15.00 - 16.30
- Location: Get-together in front of Super C
- Condition: Free for all ICWL 2009 participants, a registration is needed





Local Organization

Information Systems (Informatik 5)
RWTH Aachen University
Germany

<http://dbis.rwth-aachen.de>

Phone: +49 241 80-21501

Fax: +49 241 80-22321

ICWL'09

<http://www.hkws.org/events/icwl2009/>

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