

20th IFIP World Computer Congress

Milano, Italy 7-10 September 2008

TC3 Conference on

Learning to Live in the Knowledge Society – ED_L2L



Programme

Monday, September 8 th 2008									
9:00-9:30	Opening Session								
09.30-10.30	Keynote: Chair: Vittorio Midoro Stories and venues <i>Giorgio De Michelis, Bicocca University, Milan</i>								
10.30-11.00	Coffee break								
11.00-12.00	<table border="1"><thead><tr><th>Session 2A - Full papers</th><th>Session 2B - Full papers</th></tr></thead><tbody><tr><td>Digital Literacy for the Knowledge Society 1 Chair: Anton Knierzinger An approach to digital literacy for adults: the EuNIC proposal Presenter: Persico Donatella <i>Manuela Delfino, Maria Ferraris, Donatella Persico, Francesca Pozzi</i></td><td>Planning and modelling for teaching and learning Chair: A. Joseph Turner Scenario planning and learning technologies - The foundation of lifelong learning Presenter: Andresen Bent</td></tr><tr><td>Digital literacy as a challenge for Teacher Education - Implications for educational frameworks and learning environments Presenter: Olsson, Lena <i>Lena Olsson (SE), Eva Edman-Stålbant</i></td><td>Supporting the Design of Pilot Learning Activities with the Pedagogical Plan Manager Presenter: Pozzi, Francesca <i>Rosa Maria Bottino (IT), Jeffrey Earp, Giorgio Olimpo, Michela Ott, Francesca Pozzi, Mauro Tavella</i></td></tr><tr><td>The Use of Interactive Whiteboards to Support the Creation, Capture and Sharing of Knowledge in South African Schools Presenter: Slay, Hannah <i>Hannah Slay (ZA), Cheryl Hodgkinson-Williams, Ingrid Sieborger</i></td><td>Groups can do IT: A Model for Cooperative Work in Information Technology Presenter: Goosen, Leila <i>Leila Goosen (ZA), Elsa Mentz</i></td></tr></tbody></table>	Session 2A - Full papers	Session 2B - Full papers	Digital Literacy for the Knowledge Society 1 Chair: Anton Knierzinger An approach to digital literacy for adults: the EuNIC proposal Presenter: Persico Donatella <i>Manuela Delfino, Maria Ferraris, Donatella Persico, Francesca Pozzi</i>	Planning and modelling for teaching and learning Chair: A. Joseph Turner Scenario planning and learning technologies - The foundation of lifelong learning Presenter: Andresen Bent	Digital literacy as a challenge for Teacher Education - Implications for educational frameworks and learning environments Presenter: Olsson, Lena <i>Lena Olsson (SE), Eva Edman-Stålbant</i>	Supporting the Design of Pilot Learning Activities with the Pedagogical Plan Manager Presenter: Pozzi, Francesca <i>Rosa Maria Bottino (IT), Jeffrey Earp, Giorgio Olimpo, Michela Ott, Francesca Pozzi, Mauro Tavella</i>	The Use of Interactive Whiteboards to Support the Creation, Capture and Sharing of Knowledge in South African Schools Presenter: Slay, Hannah <i>Hannah Slay (ZA), Cheryl Hodgkinson-Williams, Ingrid Sieborger</i>	Groups can do IT: A Model for Cooperative Work in Information Technology Presenter: Goosen, Leila <i>Leila Goosen (ZA), Elsa Mentz</i>
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12.30-14.30	Lunch								



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14.30-16.00	<p>Session 3Ai) - Thematic session</p> <p>The IFIP AGORA initiative for lifelong learning: Learning organisations, learning environments Chair: <i>Raymond Morel</i></p>	<p>Session 3B - Full Papers</p> <p>ICT for inclusion Chair: Willis King</p> <p>A general and flexible model for the pedagogical description of learning objects Presenter: Ierardi Maria Grazia <i>Serena Alvino (IT), Paola Forcheri, Maria Grazia Ierardi, Luigi Sarti</i></p> <p>Using ICT to Improve the Education of Students with Learning Disabilities Presenter: Adam, Tas <i>Tas Adam (AU), Arthur Tatnall</i></p> <p>Ethics, Equality and Inclusion for Students with a Chronic Health Condition Presenter: Potas, Tony <i>Tony Potas (AU), Anthony Jones</i></p> <p>Mobile Learning Genetics through Audio by Blind Learners Presenter: Sánchez, Jaime <i>Jaime Sánchez (CL), Fernando Aguayo: AudioGene</i></p> <p style="text-align: center;">Session 3B ii)</p> <p>Poster Session 1 Chair: Rosa Maria Bottino</p> <p>WAPE – a system for distance learning of programming Presenter: Victor, Kasyanov</p> <p>Topic Maps for Learning Design Presenter: Adorni, Giovanni <i>Giovanni Adorni (IT), Mauro Coccoli, Gianni Vercelli, Giuliano Vivanet</i></p> <p>Systematic Exploration of Informatics Systems - Empirical Evaluation of Exercises to Explore Informatics Systems by Field Studies and Think Aloud Method Presenter: Freischlad, Stefan <i>Peer Stechert</i></p> <p>Development of E-Learning Design Criteria with Secure Realization Concepts Presenter: Freischlad, Stefan <i>Christian Josef Eibl (DE), Sigrid Schubert:</i></p> <p>New e-learning environments for teaching and learning Science Presenter: Lustig, Frantisek <i>Frantisek Lustig (CZ), Zdena Lustigova</i></p> <p>Building Virtual Communities and Virtual Teams of Science teachers Presenter: Lustigova, Zdena <i>Zdena Lustigova (CZ), Frantisek Lustig</i></p>

		<p>Data Communications Laboratory as a Core Element for Modern Education Presenter: Zeman, Tomáš <i>Tomáš Zeman (CZ), Jirí Hájek, Jaromír Hrad, Jakub Slíva</i></p> <p>Towards an intelligent tool based on Concept Maps for an Automated Meaningful Learning Presenter: Olveira, Claudia <i>Lorenzo Moreno (ES)</i></p> <p>Multilanguage e-Learning Course for Industrial Automation Presenter: Hájek, Jirí <i>Jaromír Hrad (CZ), Jirí Hájek, Tomáš Zeman</i></p>
16.00-16.30	Coffee break	
	Session 4A i)	Session 4B
	<p>Innovative Learning Environments 1 Chair: Willis King</p> <p>Design and implementation of a user friendly environment for Learning Objects creation Presenter: Coccoli, Mauro <i>Giovanni Adorni (IT), Diego Brondo, Mauro Coccoli</i></p> <p>Exploring touching learning environments Presenter: Ramírez González, Gustavo</p> <p>Adaptation of Impulsive and Reflective Learning Behavior in a Game-Based Environment Presenter: Schauer, Helmut <i>Franziska Spring-Keller (CH):</i></p>	<p>Exploiting ICT for teaching and learning Chair: John Impagliazzo</p> <p>Preparing the stage for using 'emerging technologies' in science education. Presenter: Redman, Christine</p> <p>Promoting thinking skills within the secondary classroom using digital media Presenter: Skillen, Maree</p> <p>Practice makes perfect - Role-play - Because our students deserve it! Presenter: Tveit, Anders</p> <p>Gearing up for Robotics - An investigation into the acquisition of the concepts associated with gears by teachers in a constructionist robotics environment Presenter: Lipson, Debora <i>Debora Lipson (AU), Anne McDougall, John Murnane</i></p>
16.30-17.30	<p>Learning with Smart Multipurpose Interactive Learning Environment Presenter: Diveky, Marko <i>Maria Bielikova (SK), Marko Diveky, Peter Jurnecka, Rudolf Kajan, Lubos Omelina</i></p> <p>Eeney, Meeney, Miney, Mo? Selecting a First Programming Language Presenter: Goosen, Leila <i>Leila Goosen (ZA), Elsa Mentz, Hercules Nieuwoudt:</i></p>	
	Session 4A ii)	
	<p>IFIP TC3 Specialist Interest Group SIG 3.8 (invitation only – please see Chair if interested) Chair: Brian Samways</p>	

Tuesday, September 9th 2008

<p>09:00-10:00</p>	<p align="center">Session 5A i)</p> <p>KEYNOTE 2 Chair: Brian Samways Touchless sound sculpture <i>Leonello Tarabella</i></p>	<p align="center">Session 6A ii)</p> <p>A Creative Introduction to Programming with Scratch Chair: Jan Wibe</p> <p>workshop: A Creative Introduction to Programming with Scratch <i>Romeike, Ralf</i></p>
<p>10:00-10:30</p>	<p align="center">SESSION 5A ii) Poster Session 2</p> <p align="center">Chair: Rosa Maria Bottino</p> <p align="center">See poster session 1</p>	
<p>10.30-11.00</p>	<p align="center">Coffee break</p>	
<p>11.00-12.00</p>	<p align="center">Session 6A i)</p> <p>ICT and Culture Chair: Raymond Morel</p>	<p align="center">Session 6B</p> <p>Online Distance Learning Chair: Donatella Persico</p> <p>Approaching TEL in University Teaching: the Faculty Training Need Presenter: Trentin, Guglielmo <i>Guglielmo Trentin (IT), Jane Klobas, Stefano Renzi</i></p> <p>Merger of Knowledge Network and Users Support for Lifelong Learning Services Presenter: Schumann, Christian-Andreas <i>Christian-Andreas Schumann (DE), Claudia Tittmann, Sabine Tittmann</i></p> <p>Development of Instruments for Evaluation of Quality of Distance Studies <i>Tankeleviciene, Lina</i></p> <p>Knowledge Network Internetworking Presenter: Freischlad, Stefan <i>Kirstin Schwidrowski (DE), Stefan Freischlad</i></p>
<p>12.00-14.30</p>	<p align="center">Lunch</p>	
<p>14.30-16.00</p>	<p align="center">Session 7A</p> <p>ICT Issues in Education Chair: Willis King</p> <p>Virtual Learning Communities: a learning object integrated into an e-learning platform Presenter: Alejandra Behar, Patricia <i>Patricia Alejandra Behar (BR), Maira Bernardi, Ana Paula Frozi de Castro e Souza</i></p> <p>The development of ICT networks for South African schools: Two pilot studies in disadvantaged areas Presenter: Siebörger, Ingrid <i>Ingrid Siebörger (ZA), Cheryl Hodgkinson-Williams, Alfredo Terzoli</i></p>	<p align="center">Session 7B</p> <p>Educating ICT professionals Chair: Arthur Tatnall</p> <p>Where Will Professional Software Engineering Education Go Next? Presenter: Davey, Bill <i>Bill Davey (AU), Arthur Tatnall</i></p> <p>Maintaining Industrial Competence: The Challenges for Continuous Professional Development and the Role for Universities Presenter: Thompson, J. Barrie <i>J. Barrie Thompson (GB), Helen M. Edwards</i></p>

	<p>Supporting Teachers to Plan Culturally Contextualized Learning Activities Presenter: Anacleto, Junia Coutinho <i>Aparecido Fabiano Pinatti de Carvalho (BR), Junia Coutinho Anacleto, Vania Paula de Almeida Neris</i></p> <p>The Web as a learning environment - Focus on contents vs. focus on the search process Presenter: Caviglia, Francesco <i>Francesco Caviglia (IT), Maria Ferraris</i></p> <p>How to favour know-how transfer from experienced teachers to novices? A hard challenge for the knowledge society. <i>Condamines, Thierry</i></p>	<p>EUCIP in Italian Universities Presenter: Calzarossa, Maria Carla <i>Cristiana Alfonsi (IT), Elena Breno, Maria Carla Calzarossa, Paolo Ciancarini, Paolo Maresca, Luisa Mich, Fulvia Sala, Nello Scarabattolo</i></p> <p>Competence based tutoring online: a proposal for linking global and specific E-learning Models Presenter: Banzato, Monica <i>Monica Banzato (IT), Gustavo Daniel Constantino</i></p>
14.30-16.00	<p>Session 7A ii)</p> <p>The IFIP AGORA approach: Applying the “studios and atelier” methodology to projects for Lifelong Learning Chair: Raymond Morel</p>	
16.00-16.30	Coffee break	
16.30-18.30	<p>Session 8A i)</p> <p>Innovative Learning Environments 2 Chair: Bent Andresen</p> <p>An Ontology-Based Modeling Approach for Developing a Competencies-Oriented Collective Intelligence Presenter: Brut, Mihaela <i>Mihaela Brut (RO), Vincent Charvillat, Romulus Grigoras, Toader Jucan, Florence Sedes</i></p> <p>Maintenance of Learner’s Characteristics by Spreading a Change Presenter: Bielikova, Maria <i>Michal Simun (SK), Anton Andrejko, Maria Bielikova</i></p> <p>Future Learning Strategy and ePortfolios in Education Presenter: Schrack, Christian <i>Christian Schrack (AT), Christian Dorninger</i></p> <p>What is it?: A Culture Sensitive Educational Game Presenter: Anacleto, Junia <i>Junia Anacleto, (BR), Izaura Carelli, Aparecido Carvalho, Alexandre Ferriera, Eliane Pereira</i></p>	<p>Session 8B</p> <p>Knowledge and technology Chair: Vittorio Midoro</p> <p>The Contribution of Computer Science Education in a Creative Society <i>Romeike, Ralf</i></p> <p>The medium and the message - Building an online learning community to implement curriculum planning and assessment in primary schools, NSW, Australia <i>Lowery, Vicki</i></p> <p>Accessing knowledge through narrative context Presenter: Dettori, Giuliana <i>Giuliana Dettori (IT), Francesca Morselli</i></p> <p>Design of Exercises and Test Items for Internetworking Based on a Framework of Exercise Classes Presenter: Freischlad, Stefan</p>

Wednesday, September 10th 2008

09.00-10.30	<p align="center">Session 10A i)</p> <p>Education and Technology for a better world: working towards WCCE 2009 Chair: Sindre Røsvik</p>	<p align="center">Session 9A ii)</p> <p>The IFIP AGORA initiative: Future trends and prospective for Lifelong Learning Chair: Raymond Morel</p>
		<p>SESSION 9B Promoting Digital Literacy in primary and secondary schools Chair: Lampros Stergioulas</p> <p>Valentina Dagiene, Helen Drenogianni, Katherine Maillet, Vittorio Midoro, Lampros Stergioulas, Jan Wibe, Brian Samways</p>
10.30-11.00	Coffee break	
11.00-12.00	<p align="center">Session 10A</p> <p>Share Tec Digital Resources in Teacher Education Chair: Lena Olsson</p> <p><i>Luigi Sarti, Lena Olsson, Fred de Vries, Monica Banzato, Stefania Bocconi,</i></p>	<p align="center">Session 9B ii)</p> <p>Using Alnuset to construct the notions of Equivalence and Equality in Algebra Chair: Jan Wibe</p> <p>Workshop: Using Alnuset to construct the notions of equivalence and equality in algebra Presenter: Chiappini, Giampaolo <i>Giampaolo Chiappini (IT), Bettina Pedemonte, Elisabetta Robotti</i></p>
	<p align="center">Session 10A ii)</p> <p>PITO: Achildren-friendly interface for Security Tools Chair: Jan Wibe</p> <p>Workshop: PITO: A children-friendly interface for Security Tools <i>Catuogno, Luigi</i></p>	
12.00-14.30	Lunch	
14.30-16.00	<p align="center">Session 11A</p> <p>Digital Literacy for the Knowledge Society 2 Chair: Rosa Maria Bottino</p> <p>Transitions towards a Knowledge Society: Aspectual Pre-evaluation of a Culture-Sensitive Implementation Framework Presenter: Thinyane, Mamello <i>Mamello Thinyane (LS), Peter Clayton, Alfredo Terzoli</i></p> <p>Social networking and the third age - Significance and impact of targeted learning initiatives based on web communities of third agers Presenter: Repetto, Manuela <i>M. Repetto (IT), Guglielmo Trentin</i></p>	<p align="center">Session 11B</p> <p>Innovative Learning Environments 3 Chair: Zdena Lustigova</p> <p>Knowledge Creation Through Engagement in a Personal Learning Environment <i>Welsh, Mary</i></p> <p>KidSmart: an essential tool for mathematical education in nursery schools. Some results from an action-research experience. <i>Serpe, Annarosa</i></p> <p>Learning with Interactive Stories Presenter: Weiß, Sebastian <i>Sebastian Weiß (DE), Wolfgang Müller</i></p>

	<p>Gramsci, functional linguistics and ethnocomputing - The role of indigenous knowledge and languages in computer education in Africa Presenter: Dalvit, Lorenzo <i>Lorenzo Dalvit (ZA), Sarah Murray, Alfredo Terzoli</i></p> <p>Designing knowledge-rich curricula Presenter: Hezemans, Marijke <i>Marijke Hezemans (NL), Magda Ritzen</i></p>	<p>From e-learning to “co-learning”: the role of virtual communities Presenter: Molinari, Andrea <i>Luigi Colazzo (IT), Andrea Molinari, Nicola Villa</i></p>
16.30-16.30	Coffee break	
16.30-17.00	Closing session	