International Society of the Learning Sciences

CSCL Practices

8-13 June 2009, Rhodes, Greece
University of the Aegean

CSCL09
Conference Programme

Welcome

It's a pleasure to welcome you to the 9[h] International Conference of Computer Supported Collaborative Learning, in Rhodes, in Greece.

The CSCL2009 conference is co-organized by the International Society of the Learning Sciences (ISLS) and the University of the Aegean. The CSCL conference is a major international event, organized biennially by ISLS. It gathers together people involved in all aspects of the field of technology-based collaborative learning, (research, education, work, training, technology). CSCL participants compose a multidisciplinary profile: experienced as well as early career researchers, designers, educators, industrial trainers from various disciplines including education, cognitive, social and educational psychology, didactics, subject matter specialties, linguistics and semiotics, speech communication, anthropology, sociology, design, computer science.

The CSCL2009 conference focuses on issues related to formal and informal learning through collaboration, promoting and supporting productive collaborative interactions with the help of every kind of Information and Communication Technologies. In the program, you will find a rich variety of work related to the main CSCL research dimensions: Study and understanding of collaborative learning practices and processes; Design and development of CSCL technological environments; Design and Implementation of innovation interventions to educational systems and professional communities; Theories and analytical approaches; Methodologies for research, analysis, design, etc.

The conference theme 'CSCL Practices' emphasizes the identification and the study of practices relating to technology based collaborative learning in three major areas: Learning in typical educational institutional structures, Learning in everyday life, and Learning in workplace structures. In addition, some work refers to the practices of the CSCL research community itself, analyzing its social nature, influences, dominances etc.

Attendees will participate in a lively mix of interesting sessions: keynotes talks, paper sessions, interactive sessions, symposia, panels, workshops, seminars, tutorials, posters, while they can enjoy one of three prestigious awards: Best Paper Award, Best Student Paper Award, Technology Design Award.

The CSCL2009 Pre-Conference program includes: three Tutorials, four Seminars, seven Workshops, the Doctoral Consortium Workshop, the Post Doc & Early Career Workshop as well as the Educational Policy Symposium. The CSCL2009 Main Conference is honored by three Keynote speakers, Professors Charles Goodwin, Pierre Dillenbourg and Rosemary Luckin. The program is composed of a number of plenary sessions, among them an invited Symposium and an invited Panel as well as two Poster plenary sessions (presenting about 50 posters in interactive mode). In parallel sessions the attendees could chose among six symposia, one panel, two 'interactive events', and twenty four paper and short paper sessions (some of them offer a more interactive presentation format). Furthermore, the rich social program allows getting a sensation of the life and beauty of Rhodes.

I would like to thank for their precious support the Hellenic Ministry of Education, the Didaskaleio Konstantinos Karatheodoris of the University of the Aegean, the Prefecture of Dodecanese, the Hellenic Telecommunications Organization SA., the Rhodian Pedia School, the General Secretary of Aegean and Island Policy (Ministry of Mercantile Marine, Aegean and Island Policy), the Municipality of Kallithea in Rhodes, The Musical School of Rhodes, the Emery and the Kritiki editions.

I would also like to thank cordially all the people that have contributed to the organization and the quality of CSCL2009 conference: the members of the CSCL2009 Steering Committee and especially the Program Chairs: Claire O'Malley, Daniel Suthers, Peter Reimann, the members of the Review Committee, as well as the members of the current ISLS board. I'm equally grateful to all members of the Hellenic Organizing Committee and especially those of the Faculty of Education in Rhodes and the LTEE laboratory. Finally, I would like to thank all of you that are interested in CSCL and thus I will be glad to meet you in Rhodes.

I wish that the conference inspire and lead you to new questions, methods, analysis lenses, design ideas and even research directions, enriching our foundations, highlighting the significance and the challenges of our research, and empowering the scientific and educational communities related to technology based collaborative learning. I also wish to all of you to enjoy your stay in Rhodes and to be inspired by it!

Angelique Dimitracopoulou

CSCL2009 Conference Chair

Prof., University of the Aegean, Greece

CSCL2009 Conference Organization

Conference Organizers

- International Society of the Learning Sciences
- University of the Aegean, Faculty of Humanities, Greece

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- Dr. Irene Ioannidou,

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Keynote Lecture: "Calibrating Bodies and Cognition Through Interactive Practice in a Meaningful Environment"

Prof. Charles Goodwin, University of California at Los Angeles, USA

Charles Goodwin is Professor of Applied Linguistics at UCLA. He received his Ph.D. from the Annenberg School of Communications, University of Pennsylvania. His interests include video analysis of talk-in-interaction (including study of the discursive practices used by hearers and speakers to construct utterances, stories, and other forms of talk), grammar in context, cognition in the lived social world, gesture, gaze and embodiment as interactively organized social practices, aphasia in discourse, language in the professions and the ethnography of science. He has done fieldwork analyzing family interaction in the United States, the work of oceanographers in the mouth of the Amazon, archaeologists in the United States and Argentina, and the organization of talk, vision and embodied action in the midst of surgery. He investigated cognition and talk-in-interaction in a complex work setting (ground operations at a major airport). He has analyzed the interaction of children in the playground, and interaction in the home of a man with severe aphasia. [http://www.sscnet.ucla.edu/clic/cgoodwin]

Keynote Lecture: "Exploring neglected planes: social signals and class orchestration"

Prof. Pierre Dillenbourg, Swiss Federal Institute of Technology, Switzerland

Pierre Dillenbourg is Professor of Computer Science at Swiss Federal Institute of Technology in Lausanne (EPFL). A former elementary school teacher, Pierre graduated in educational science (University of Mons, Belgium). He started to conduct research in learning technologies in 1984. He obtained a PhD in computer science from the University of Lancaster (UK), in the field of educational applications of artificial intelligence. He has been involved in the CSCL community since the first meeting in 1989 and is past president of ICLS. His recent work covers various domain of CSCL, ranging from the design and experimentation of collaboration scripts and interactive furniture to more cognitive projects on dual eye tracking and mutual modelling. [http://craft.epfl.ch/page21625.html]

Keynote Lecture: Participatory Learning in Context

Prof. Rosemary Luckin, London Knowledge Lab, Institute of Education in London, UK

Rosemary Luckin is Professor of Learner Centred Design at the London Knowledge Lab and an EPSRC Advanced Research Fellow. Her research explores how to most effectively scaffold learning across multiple technologies, locations, subjects and times. At the LKL she is part of a group of researchers who share an interest in applying participatory methods to the development and evaluation of technology enhanced learning experiences. This work is interdisciplinary and encompasses education, psychology, artificial intelligence and HCI. It investigates the relationship between people, the concepts they are trying to learn and teach, the contexts within which they operate and the resources at their disposal. She was appointed by the Minister for Schools as a non-executive director of Becta (the UK government agency leading the effective and innovative use of technology throughout learning) where she chairs their Research Advisory Group. [http://www.ioe.ac.uk/staff/LKLB/LKLB_30.html]

CSCL2009 PRE-CONFERENCE DAYS PROGRAM OVERVIEW

SUNDAY, 7 June		MONDAY, 8 June		TUESDAY, 9 June		WEDNESDAY, 10 June	
						9.00 - 12.30	[pre17_WS] Post-Doc/Early Career WS
8.30 - 18.00	ISLS Board Retreat	9.00 - 13.30	[pre1_T] Tutorial: Stahl	9.00 - 13.30	[pre8_T] Tutorial: Jermann et al.		[pre16_WS] Doctoral Consortium WS
			[pre2_S] Seminar: Shuyska		[pre9_T] Tutorial: Cress		
			[pre4_WS] Workshop: Suthers et al.		[pre11_S] Seminar: Ronen et al.		EDUCATIONAL POLICY SYMPOSIUM
			[pre5_WS] Workshop: Pinkwart et al.		[pre12_WS] Workshop: Demetriadis ..	10.30 -11.00	Morning Coffee break
			[pre6_WS] Workshop: Bourdeau et al.		[pre14_WS] Workshop: Brecht et al.	12.30	Lunch
			[pre7_WS] Workshop: Ferraris et al.		[pre15_WS] Workshop: Bruillard et al.		
		11.00 -11.30	Morning Coffee break		[pre17_WS] Post-Doc/Early Career WS	12.30 - 14.00	ijCSCL2009 editorial Meeting
		13.30 -15.00	Lunch	11.00 -11.30	Morning Coffee break		
		16.30 -17.00	Afternoon Coffee break	13.30 -15.00	Lunch		
10.30 - 12.30 & 17.30 - 20.30	Registration Desk	15.00 - 18.00	[pre1_T] Tutorial: Stahl	16.30 -17.00	Afternoon Coffee break		
			[pre3_S] Seminar: Brennan et al.	15.00 - 18.00	[pre8_T] Tutorial: Jermann et al.		
			[pre4_WS] Workshop: Suthers et al.		[pre10_T] Seminar: de Groot		
			[pre5_WS] Workshop: Pinkwart et al.		[pre11_WS] Seminar: Ronen et al.		
			[pre7_WS] Workshop: Ferraris et al.		[pre12_WS] Workshop: Demetriadis …		CSCL2009 MAIN CONFERENCE
					[pre14_WS] Workshop: Brecht et al.		
					[pre15_WS] Workshop: Bruillard et al.		
20.00	Bus				[pre16_WS] Doctoral Consortium WS		
20.30	**Closed Dinner** *CSCL2009 Steering Committee &* *ISLS Board* **"Four seasons"** Restaurant (Rhodes Old Town)"				[pre17_WS] Post-Doc/Early Career WS		
				19.30	Bus		
				19.45	**Reception** *Participants of Doctoral Consortium & Post-Doc/Early Career Workshops* **Kallithea Springs**		

Monday 8 June

09.00 - 13.30   **MORNING EVENTS**

Leros	[pre2_S] Seminar
	Organiser: Jane Alexen Shuyska
	Constructing Graphical and Hypertextual Knowledge Representations for Learning
Kassos	[pre6_WS] Workshop
	Organisers: Jacqueline Bourdeau, Riichiro Mizoguchi, Seiji Isotani, Barbara Wasson, WeiQin Chen, Jelena Jovanovic
	Workshop on Intelligent and Innovative Support of Collaborative Learning Activities (WIISCOLA)

15.00 – 18.00   **AFTERNOON EVENTS**

Karpathos	[pre3_S] Seminar
	Organisers: Karen Brennan, Andrés Monroy Hernández, Mitchel Resnick (MIT Media Lab)
	Scratch: Creating and Sharing Interactive Media

09.00 – 18.00   **FULL DAY EVENTS**

Kos	[pre1_T] Tutorial
	Organiser: Gerry Stahl, ijCSCL
	Contributors/Discussants: Tak-Wai Chan, Elizabeth Charles, Pierre Dillenbourg, Lone Dirckinck-Holmfeld, Ricki Goldman, Hugo Fuks, Ulrich Hoppe, Sanna Jarvela, Paul Kirschner, Therese Laferriere, Nancy Law, Chee-Kit Looi, Claire O'Malley, Naomi Miyake, Roy Pea, Jeremy Roschelle, Masanori Sugimoto, Peter Reimann, Hans Spada, Dan Suthers, Barbara Wasson, Rupert Wegerif
	Introduction to CSCL
Patmos	[pre4_WS] Workshop
	Organisers: Dan Suthers, Nancy Law, Kristine Lund, Carolyn Rose, Chris Teplovs
	Common Objects for Productive Multivocality in Analysis
Astypalaia	[pre5_WS] Workshop
	Organisers: Niels Pinkwart, Frank Loll, Oliver Scheuer, Bruce M. McLaren
	CSCL Argumentation Systems: How Do Empirical Results and Emerging Technologies Inform System Development ?
Kalymnos & Nissiros	[pre7_WS] Workshop
	Organisers: Christine Ferraris, Laurence Vignollet, Christian Martel, Andreas Harrer, Yannis Dimitriadis
	Competitive Challenge on Adapting Activities Modeled by CSCL Scripts

Tuesday 9 June

09.00 - 13.30   MORNING EVENTS

Patmos	**[pre9_T] Tutorial** *Organiser: Ulrike Cress* Multi-level Analysis

15.00-18.00   AFTERNOON EVENTS

Symi	**[pre10_S] Seminar** *Organiser: Reuma De-Groot* E-discussions Moderation Made Easier with the Argunaut Tool
Patmos	**[pre16_WS] Doctoral Consortium Workshop** *Chairs: Chris Quintana, Pierre Tchounikine* *Participants: Andreas Gegenfurtner, Katherine D. Knight, Richard Medina, Hedieh Najafi, Michele P. Notari, Suparna Sinha, Joshua Underwood, Johnny Yuen* Doctoral Consortium Workshop

09.00 - 18.00   FULL DAY EVENTS

Leros	**[pre8_T] Tutorial** *Organisers: Patrick Jermann, Marc-Antoine Nüssli* *Collecting and Analyzing Gaze Data from Collaborative Interaction*
Astypalaia	**[pre11_S] Seminar** *Organisers: Miky Ronen, Dan Kohen-Vacs, Andreas Harrer, Yael Kali* Modeling, Creating and Enacting Online Collaborative Scripts
Karpathos	**[pre12_WS] Workshop** *Organisers: Stavros Demetriadis, Yannis Dimitriadis, Frank Fischer* Scripted vs. Free CS Collaboration: Alternatives and Paths for Adaptable and Flexible CS Scripted Collaboration
Kassos	**[pre14_WS] Workshop** *Organisers: John Brecht, Patricia Schank, Yannis Dimitriadis, S. Raj Chaudhury* Agile Learning and Collaboration-Improvisational Uses of Group Scribbles and Other CSCL Tools
Kos	**[pre15_WS] Workshop** *Organisers: Eric Bruillard, Angelique Dimitracopoulou, Peter Reimann* Interaction Analysis and Visualization for Asynchronous Communication: Analysis Methods, Tools, and Research Questions

Rhodes & Kalymnos & Nissyros	[pre17_WS] Post-Doc/Early Career Workshop *Chairs: Frank Fischer, Jody S. Underwood, Baruch Schwarz* *Mentors: Pierre Dillenbourg, Yasmin Kafai, Paul Kirschner, Nancy Law, Marcia Linn, Naomi Miyake, Gerry Stahl* *Participants: Carmela Aprea, Kira Baker-Doyle, Murat Cakir, Nobuko Fujita, Christine Greenhow, Frode Guribye, Robert Jorczak, Manu Kapur , Swapna Kumar, Oskar Lindwall, Lei Liu, Foo Keong Ng, Vanessa Peters, Vanessa Svihla, Christopher Teplovs, Keisha Varma, Sashank Varma, Ravi Vatrapu, Alyssa Wise, Jennifer Yeo, Timothy Zimmerman, Katerina Zourou* Post-Doc & Early Career Workshop

Wednesday 10 June

09.00 - 12.30   MORNING EVENTS

Kalymnos & Nissiros	[pre16_WS] Doctoral Consortium Workshop (…continued) *Chairs: Chris Quintana, Pierre Tchounikine* *Participants: Andreas Gegenfurtner, Katherine D. Knight, Richard Medina, Hedieh Najafi, Michele P. Notari, Suparna Sinha, Joshua Underwood, Johnny Yuen* Doctoral Consortium Workshop

Kassos & Astypalaia	[pre17_WS] Post-Doc/Early Career Workshop (…continued) *Chairs: Frank Fischer, Jody S. Underwood, Baruch Schwarz* *Mentors: Pierre Dillenbourg, Yasmin Kafai, Paul Kirschner, Nancy Law, Marcia Linn, Naomi Miyake, Gerry Stahl* *Participants: Carmela Aprea, Kira Baker-Doyle, Murat Cakir, Nobuko Fujita, Christine Greenhow, Frode Guribye, Robert Jorczak, Manu Kapur , Swapna Kumar, Oskar Lindwall, Lei Liu, Foo Keong Ng, Vanessa Peters, Vanessa Svihla, Christopher Teplovs, Keisha Varma, Sashank Varma, Ravi Vatrapu, Alyssa Wise, Jennifer Yeo, Timothy Zimmerman, Katerina Zourou* Post-Doc & Early Career Workshop

Karpathos	**EDUCATIONAL POLICY SYMPOSIUM**
	
	Chairs: Stella Vosniadou & Lone Dirckinck-Holmfeld
	Invited Participants:
	     Jouni Kangasniemi, Ministry of Education and Science Policy, Finland
	     Lone Folmer Berthelsen, Ministry of Education, Denmark
	     Looi Chee Kit, National Institute of Education, Singapore
	     Marcia Linn, University of California at Berkeley, USA.
	     Naomi Miyake, University of Tokyo, Japan
	  CSCL and the transformation of Education

WEDNESDAY, 10 June

CSCL2009 Pre-Conference Events

Time	Event
14.00	**Conference Opening**
14.45	Keynote: Prof. Goodwin
15.45	*Coffee*
16.15 - 18.15	PS1: Analysing Group Cognition in CSCL Practices
	PS2: Scripts & Scaffolds
	PS3: Argumentation & PBL
16.15 17.45	Symp 1. Affective, Cognitive & Socio-relational Dimensions
19.40	*Bus*
20.00	**Opening Ceremony Palace of the Grand Master (Rhodes Medieval Town)**

THURSDAY, 11 June

Time	Event
7.30	*ISLS Board Meeting*
9.00	Keynote: Prof. Luckin
10.00 - 11.30	PS 4: Tabletops and Tangibles
	PS 5: Teacher Professional Development and Communities of Practices
	Symp 2: The Assistance Dilemma in CSCL
11.30	*Coffee*
12.00 - 13.30	PS 6: Discussion & Conflict resolution
	PS 7: Approaches to Analyzing Interaction
	Interactive Event 1
	Symp 3: Long Tail Learning
13.30	*Lunch*
	CSCL Community open Meeting
15.00	Plenary Symposium: ijCSCL
16.30	Posters Plenary A
17.30 - 18.15	PS 8 (I): Games & Simulations
	PS 9 (I): Evaluating Computer-Mediated Learning
	Panel 1: Manifesting Embodiment
18.15 - 19.30	*ISLS Conferences Committee Meeting*
	ISLS Publications Committee Meeting
	ISLS Education Committee Meeting
	ISLS Membership Committee Meeting

FRIDAY, 12 June

Time	Event
07.30	*JLS Editorial Meeting*
9.00 - 10.30	PS 10: Knowledge Building & VLE
	PS 11: Science Education & PBL
	Interactive Event 2
	Panel 2: Technology Community in the Learning Sciences
10.30	*Coffee*
11.00 - 12.30	PS 12: Learning Processes & Games
	PS 13: Handhelds and mCSCL
	PS 14: Scripts and Adaptation
	Symp 4: Repertoires of Collaborative Practices
12.30	Keynote: Prof. Dillenbourg
13.30	*Lunch*
	ISLS members open Meeting
15.00 - 16.30	PS 15: Math & Science Education
	PS 16: Case Studies in Higher Education
	PS 17: Data Mining & P. Analysis
	Symp 5: Examining Practices
16.30	Posters Plenary B
17.30 - 18.15	PS 18 (I): Shared Displays & Workspaces
	PS 19 (I): Social Software & Wikis
	PS 20 (I): Professional Development
19.15	*Bus* **Conference Dinner In Lindos village**

SATURDAY, 13 June

Time	Event
9.00 - 10.30	PS 21: Peer Awareness for Assessment, Coaching & Coordination
	PS 22: Web 2.0, Wikis & Knowledge building
	Symp 6: Scaffolding Inquiry Learning
10.30	*Coffee*
10.45 12.00	PS 23: Awareness & Selfregulation
11.00 12.00	PS 24: Knowledge Construction and Gaming practices
12.00	Plenary Panel: 20 years of CSCL
13.00 14.00	**Awards & Conference Closing**

Wednesday 10 June

14.00   CONFERENCE OPENING

Rhodes, Patmos & Kos	Chair: Angelique Dimitracopoulou
	Angelque Dimitracopoulou
	Conference Chair Welcome
	Francois Kalavassis, Dean, Faculty of Humanities, University of the Aegean
	Welcome
	National Authorities- Conference Sponsors
	Greetings
	Claire O'Malley, Daniel Suthers, Peter Reimann
	Program Chairs Welcome
	Stella Vosniadou
	Educational Policy Symposium Report

14.45-15.45   KEYNOTE TALK

Rhodes & Patmos & Kos	Chair: Daniel Suthers
	Charles Goodwin
	Calibrating bodies and cognition through interactive practice in a meaningful environment

15.45   *COFFEE*

16.15-18.15   PAPER SESSION 1: Analysing Group Cognition in CSCL Practices

Rhodes & Patmos	Chair: Timothy Koschmann	
	Alan Zemel, Murat Perit Cakir, Gerry Stahl	
	Understanding and analyzing chat in CSCL as reading's work	
	Gerry Stahl	
	Collaborative learning through practices of group cognition	
	Murat Perit Cakir, Gerry Stahl	BSPN
	Interaction analysis of dual-interaction CSCL environments	
	Richard Medina, Daniel Suthers, Ravi Vatrapu	
	Inscriptions becoming representations	BPN-BSPN

16.15-18.15   PAPER SESSION 2: Scripts and Scaffolds

Kos	Chair: Nikol Rummel	
	Bert Slof, Gijsbert Erkens, Paul A. Kirschner	
	Representational scripting effects on group performance	
	Pantelis Papadopoulos, Stavros Demetriadis, Ioannis Stamelos	
	Analyzing the role of students' self-organization in a case of scripted collaboration	
	Baruch B. Schwarz, Christa S.C. Asterhan, Julia Gil	BPN
	Human guidance of synchronous e-discussions: The effects of different moderation scripts on peer argumentation	
	Kalipso Iordanou, Deanna Kuhn	
	Arguing on the Computer in scientific and non-scientific domains	

16.15-17.45   PAPER SESSION 3: Argumentation and Problem Based Learning

Karpathos	Chair: Frank Fischer

	John Dowell, Michael Tscholl, Thomas Gladisch, Marzieh Asgari-Targhi
	   Argumentation scheme and shared online diagramming in case-based collaborative
	   learning
	Robert Jorczak
	   The effects of task characteristics on online discussion
	Angela Carell, Thomas Herrmann
	    Negotiation tools in CSCL scenarios - Do they have a valid use?
	Kui Xie, Fengfeng Ke
	    How does students' motivation relate to peer-moderated online interactions?

16.15-17.30   SYMPOSIUM 1 : Socio-relational, Affective and Cognitive Dimensions of CSCL Interactions: Integrating Theoretical-Methodological Perspectives

Kassos & Astypalaia	Chair: Kristine Lund

	Discussant: Jay Lemke
	
	J. Andriessen, M. Baker, K. Lund
	   Socio-cognitive tension-relaxation in argumentative CSCL interactions
	P. Sins, K. Karlgren
	   Identifying and overcoming tension in interdisciplinary teamwork in
	   professional development: Two cases and a tool for support
	C. Crook
	   Affect and its expression within computer ecologies for learning

- *BPN: Best Paper Nominee ; BSPN: Best Student Paper Nominee ;*

    BTDN: Best Technology Design Nominee

Thursday 11 June

09.00	**KEYNOTE TALK**
Rhodes & Patmos	Chair: Claire O'Malley *Rosemary Luckin* Participatory learning in context

10.00-11.30   PAPER SESSION 4: Tabletops and Tangibles

Kassos Astypalaia	Chair: Ulrich Hoppe
	
	Amanda Harris, Jochen Rick, Victoria Bonnett, Nicola Yuill, Rowanne Fleck, Paul Marshall, Yvonne Rogers
	    Around the table: Are multiple-touch surfaces better than single-touch for children's collaborative interactions?
	Taciana Pontual Falcão, Sara Price
	    What have you done! The role of 'interference' in tangible environments for supporting collaborative learning
	Chee-Kit Looi, Wenli Chen, Yun Wen
	    Exploring interactional moves in a CSCL environment for Chinese language learning

10.00-11.30   PAPER SESSION 5 (SPs): Teacher Professional Development and Communities of Practice

Kos	Chair: Stella Vosniadou
	Jean Simon
	    Three years of teaching resource sharing by primary school teachers trainees on a CSCW platform
	Isa Jahnke
	    The process of digital formalization in sociotechnical learning communities - Needed or overloaded?
	Huang-Yao Hong, Jianwei Zhang, Chewlee Teo, Marlene Scardamalia
	    Towards design-based knowledge-building practices in teaching
	Lisa Scherff, Josie Prado, Nancy Robb Singer
	    Testing and validating frames for online organizations
	Eric Bruillard, Nicole Clouet, Roué Dominique
	    Forum for preservice teacher development: Lessons learned from five years of research
	Gerhard Fischer
	    Democratizing design: New challenges and opportunities for computer-supported collaborative learning

10.00-11.30   SYMPOSIUM 2 : The Assistance Dilemma in CSCL

Rhodes	**Chairs**: Manu Kapur & Nikol Rummel
	
	Discussant: Pierre Dillenbourg
	
	Christof Wecker, Ingo Kollar & Frank Fischer
	    Fostering domain-specific knowledge through the fading of scripts
	Michael J. Jacobson, Suneeta A. Pathak, Beaumie Kim, Baohui Zhang
	    Delaying Structure: Productive Failure in Learning the Physics of Electricity using Agent-based models
	Bruce M. McLaren, Nikol Rummel
	    Adapting Assistance to the Student(s): Preliminary Ideas from Individual and Collaborative Computer-Supported Learning Contexts

11.30	*COFFEE*

12.00-13.30   PAPER SESSION 6: Discussion and Conflict Resolution

Kassos & Astypalaia	Chair: Baruch Schwarz

	Fengfeng Ke, Kui Xie
	    Online Discussion Design on Adult Students' Learning Perceptions and Patterns of Online Interactions
	Birgitta Kopp, Katharina Schnurer, Heinz Mandl
	    Collaborative learning in virtual seminars: Analyzing learning processes and learning outcomes
	Ravi Vatrapu, Daniel Suthers
	    Is representational guidance culturally relative?

12.00-13.30   PAPER SESSION 7 (SPs): Approaches to Analyzing Interaction

Kos	Chair: Ulrike Cress

	Peter Reimann, Anindito Aditomo, Kate Thompson
	    Students engaged in collaborative modeling: A conversation analysis
	Gyeong Mi Heo, Alain Breuleux
	    Roles of initiators and interaction patterns: Exploring an informal online community at the interpersonal plane
	Trena Paulus, Kathy Evans, Olivia Halic, Jessica Lester, Jonathan Taylor, Marsha Spence
	    Knowledge and learning claims in blog conversations: A discourse analysis in social psychology (DASP) perspective
	Alan Zemel, Murat Cakir, Nan Zhou, Gerry Stahl
	    Learning as a practical achievement: An interactional perspective
	Rupert Wegerif, Bruce McLaren, Marian Chamrada, Oliver Scheuer, Nasser Mansour, Jan Mikšátko
	    Recognizing creative thinking in graphical e-discussions using artificial intelligence graph-matching techniques
	Marc-Antoine Nüssli, Patrick Jermann, Mirweis Sangin, Pierre Dillenbourg
	    Collaboration and abstract representations: towards predictive models based on raw speech and eye-tracking data

12.00-13.30   INTERACTIVE EVENT SESSION 1

Kalymnos & Nissyros	*Vanessa Svihla* Methods of triangulation and revealing interaction

12.00-13.30   SYMPOSIUM 3 : Long Tail Learning: A Unique Opportunity for CSCL?

Rhodes	Chairs: Allan Collins, Gerhard Fischer
	Contributors: Brigid Barron, Chen-Chung Liu, Roy Pea, Hans Spada

13.30-15.00   *LUNCH*

14.00-15.00

Leros & Symi	CSCL Community Open Meeting

15.00-16.30   PLENARY INVITED SYMPOSIUM (ijCSCL)

Rhodes & Patmos	Chairs: Friedrich W.Hesse & Gerry Stahl
	Discussant: Roy Pea
	Participants: Claire O´Malley, Nancy Law, Angelique Dimitracopoulou, Ulrich Hoppe
	Productive tensions in CSCL: Should design be driven by theory, research or practice?

16.30-17.30   POSTER PLENARY SESSION A

Karpathos & Kos	[I] Online Communities *(studying practices, studying design issues)* [I.1-I.5] [II] Design of Complete environments [II.1-II.15] [III] Design of Specific features: Computer-based Interaction Analysis [III.1-III.9]

17.30-18.15   PAPER SESSION 8 (Interactive): Games and Simulations

Kalymnos & Nissyros	Chair: Barbara Wasson
	
	Ben Chang, Hsue-Yie Wang, Chin-Shueh Chen, Jen-Kai Liang
	   Distributed Weather Net: Wireless sensor network supported
	Katerina Glezou, Maria Grigoriadou
	   Supporting student engagement in simulation development
	Hui-Chun Hung, Shelley Shwu-Ching Young, Chiu-Pin Lin
	   Constructing the face-to-face collaborative game-based interacted environment to portable devices for English vocabulary acquisition
	Chang-Yen Liao, Zhi-Hong Chen, Tak-Wai Chan
	   Designing the game-based environment to facilitate learners' interaction in performance-based learning by virtual pets

17.30-18.15   PAPER SESSION 9 (Interactive): Evaluating Computer-Mediated Learning

Kassos & Astypalaia	Chair: Patrick Jermann
	
	Iván Manuel Jorrín-Abellán, Robert E. Stake, Alejandra Martínez-Monés
	   The Needlework in evaluating a CSCL system: The Evaluand oriented Responsive Evaluation Model
	Christa Asterhan, Tammy Eisenmann
	   Online and face-to-face discussions in the classroom: A study on the experiences of 'active' and 'silent' students.
	Carla van de Sande
	   Grassroots open, online, calculus help forums
	Margarida Romero, André Tricot, Claudette Mariné
	   Effects of a context awareness tool on students' cognition of their team-mates learning time in a distance learning project activity

17.30-18.15   PANEL 1: Manifesting Embodiment: Designers' Variations on a Theme

Rhodes	Chair: Tom Moher *Panelists:* Alissa Antle, Chronis Kynigos, Leilah Lyons, Paul Marshall, Maria Roussou

Friday 12 June

09.00-10.30	**PAPER SESSION 10: Knowledge Building & Virtual Learning Environments**

Kassos & Astypalaia	Chair: Lone Dirckinck- Holmfeld
	
	Sami Paavola & Kai Hakkarainen
	    From meaning making to joint construction of knowledge practices and artefacts – A trialogical approach to CSCL
	Minna Lakkala, Sami Paavola, Kari Kosonen, Hanni Muukkonen, Merja Bauters, Hannu Markkanen
	    Main functionalities of the Knowledge Practices Environment (KPE) affording knowledge creation practices in education
	Huang-Yao Hong, Fei-Ching Chen, Hsiu-mei Chang, Calvin C. Y. Liao, Wen-Ching Chan
	
	    Exploring the effectiveness of an idea-centered design to foster a computer-supported knowledge building environment

09.00-10.30	**PAPER SESSION 11 (SPs): Science Education and Problem Based Learning**

Kos	Chair: Chronis Kynigos
	
	Ning Ding
	    How group gender influences individual knowledge elaboration in CSCL *BPN*
	Lei Liu, Cindy Hmelo-Silver
	    Collaborative scientific conceptual change: A framework for analyzing science learning
	Suneeta Pathak, Beaumie Kim, Michael Jacobson, Baohui Zhang
	    Failures and successes in collaborative inquiry: Learning the physics of electricity with agent-based models
	Elizabeth Gerard, Erika Tate, Jennifer Chiu, Stephanie Corliss, Marcia C. Linn
	    Collaboration and knowledge integration
	Jeppe Bundsgaard
	    A practice scaffolding interactive platform
	Patrice Moguel, Pierre Tchounikine, André Tricot
	
	    A model-based coding scheme to analyze students' organization

09.00-10.30	**INTERACTIVE EVENT 2**

Kalymnos & Nissyros	*Vanessa Svihla & Rachel Phillips* A tool for 21st century learning and assessment

09.00-10.30	**PANEL 2: Toward a Technology Community in the Learning Sciences**

Rhodes	Chairs: James Slotta, Turadg Aleahmad *Panelists:* Chris Quintana, Jeremy Roschelle, Turadg Aleahmad, Wouter van Joolingen *Discussants:* Nikol Rummel, Chris Hoadley, Eleni Kyza

10.30	*COFFEE*

11.00-12.30	**PAPER SESSION 12: Learning Processes and Games**

Leros & Symi	Chair: George Fessakis
	
	Dejana Diziol, Nikol Rummel, Hans Spada
	    Procedural and conceptual knowledge acquisition in mathematics: Where is collaboration helpful?
	Lai Har, Judy Lee, Yam San Chee
	    Generative conversations in game-based learning
	Andrea Moed, Owen Otto, Joyojeet Pal, Udai Singh Pawar, Matthew Kam, Kentaro Toyama
	    Reducing dominance in multiple-mouse learning activities

11.00-12.30   PAPER SESSION 13: Handhelds and mCSCL

Kos	Chair: Chris Quintana
	Leilah Lyons
	Designing opportunistic user interfaces to support a collaborative museum exhibit
	Jeremy Roschelle, Ken Rafanan, Gucci Estrella, Miguel Nussbaum, Susana Claro
	From handheld collaborative tool to effective classroom module: Embedding CSCL in a broader design framework *BPN*
	Hanni Muukkonen, Mikko Inkinen, Kari Kosonen, Kai Hakkarainen, Petri Vesikivi, Hanna Lachmann, Klas Karlgren
	Research on knowledge practices with the Contextual Activity Sampling System

11.00-12.30   PAPER SESSION 14 (SPs): Scripts and Adaptation

Kassos & Astypalaia	Chair: Yannis Dimitriadis
	Christof Wecker, Karsten Stegmann , Florian Bernstein , Michael J. Huber, Georg Kalus, Sabine Rathmayer, Ingo Kollar, Frank Fischer
	Sustainable Script and Scaffold Development for Collaboration on Varying Web Content: The S-COL Technological Approach
	Anastasios Karakostas, Stavros Demetriadis
	Adaptation patterns in systems for scripted collaboration
	Martina Bientzle Katrin Wodzicki, Andreas Lingnau , Ulrike Cress
	Enhancing pair learning of pupils with cognitive disabilities: Structural support with help of floor control
	Andreas Lingnau, Martina Bientzle
	A technical framework to support implicit structured collaboration
	Eloy David Villasclaras-Fernández, Davinia Hernández-Leo, Juan Ignacio Asensio-Pérez, Yannis Dimitriadis, Alejandra Martínez-Monés
	Towards embedding assessment in CSCL scripts through selection and assembly of learning and assessment patterns
	Erin Walker, Nikol Rummel, Kenneth Koedinger
	Beyond Explicit Feedback: New Directions in Adaptive Collaborative Learning Support

11.00-12.30   SYMPOSIUM 4 : Repertoires of Collaborative Practice

Rhodes	**Chairs: Brigid Barron & Emma Mercier**
	Discussant: Naomi Miyake
	Sarah Walter
	Collaboration in Massively Multiplayer Online Role Playing Games
	Véronique Mertl
	"Don't touch anything, it might break!": Adolescent musicians' accounts of collaboration and access to technologies seminal to their musical practice
	Caitlin Martin, Brigid Barron
	Learning to collaborate through multimedia composing
	Daniel Steinbock
	Prototyping practices in Quaker and product designer communities

12.30-13.30   KEYNOTE TALK

Rhodes & Patmos	Chair: Peter Reimann
	Pierre Dillenbourg
	Exploring neglected planes: social signals and class orchestration

13.30-15.00   *LUNCH*

14.00-15.00

Leros & Symi	ISLS Members Open Meeting

15.00-16.30   PAPER SESSION 15: Mathematics and Science Education

Patmos	Chair: Barry Fishman
	
	Jennifer Yeo, Yew-Jin Lee, Aik-Ling Tan, Seng-Chee Tan, Shawn Lum
	  Analyzing CSCL-mediated science argumentation: How different methods matter
	Susan Yoon, Lei Liu, Sao-Ee Goh
	  Exploring the process of convergent adaptation in technology-based science curriculum construction
	Vanessa L. Peters, James D. Slotta
	  Co-designing curricula to promote collaborative knowledge construction in secondary school science

15.00-16.30   PAPER SESSION 16 (SPs): Case Studies in Higher Education

Kalymnos & Nissyros	Chair: Julita Vassileva
	
	Christopher Jones
	  A context for collaboration: Institutions and the infrastructure for learning
	Heidy Maldonado, Scott Klemmer, Roy Pea
	  When Is collaborating with friends a good idea? Insights from design education
	Manoli Pifarré, Ruth Cobos
	  Working collaboratively in small groups supported by KnowCat System: incidence on self-regulated learning processes
	Antonios Saravanos, Seungoh Paek, Jin Kuwata, Alexandra Saravanos
	  The Effects of corrected errors in asynchronous video based lessons on task efficiency
	Christopher Jones, Ruslan Ramanau
	  Collaboration and the Net generation: The changing characteristics of first year university students
	Jari Laru, Piia Näykki, Sanna Järvelä
	  Does social software fit for all? Examining students' profiles and activities in collaborative learning mediated by social software

15.00-16.30   PAPER SESSION 17 : Data Mining and Process Analysis

Kassos & Astypalaia	Chair: Pierre Tchounikine
	
	Peter Reimann, Jimmy Frerejean, Kate Thompson
	  Using process mining to identify models of group decision making in chat data
	Gregory Dyke, Kristine Lund, Jean-Jacques Girardot
	  Tatiana: an environment to support the CSCL analysis process *BSPN*
	Anjo Anjewierden, Hannie Gijlers, Bas Kolloffel, Nadira Saab, Robert de Hoog
	  Examining the relation between domain-related communication and collaborative inquiry learning

15.00-16.30   SYMPOSIUM 5 : Examining Practices of Computer Mediated Learning

Rhodes	Chairs: Timothy Koschmann, Gerry Stahl, Graham Button
	Discussant: Graham Button
	
	Christian Greiffenhagen, Jacqueline Eke
	  How (not) to Build a Pyramid in the VMT Environment
	Timothy Koschmann, Gerry Stahl, Alan Zemel
	  Understanding Work in the VMT Environment: Formulas, Variables and Explanations
	Anna Sfard, Shai Caspi
	  Using Commognitive Lens to Analyze the Development of Algebraic Discourse in the VMT Environment
	Dan Suthers, Richard Medina, Ravikirian Vatrapu
	  Tracing the Development of Representational Practices

16.30-17.30	POSTER PLENARY SESSION B
Karpathos & Kos	[IV] **Understanding and studying collaborative processes** [IV.1-IV.10] [V] **Specific features Design** [V.1-V.9] [VI] **Development aspects** [VI.1-VI.5]

17.30-18.15	PAPER SESSION 18 (Interactive): Shared Displays & Workspaces

Patmos	Chair: Chee-Kit Looi
	
	Chen-Chung Liu, Chen-Wei Chung, Shu-Yuan Tao
	  Making classrooms socio-technical environments for supporting collaborative learning: the role of handhelds and boundary objects
	Wenli Chen, Chee-Kit Looi, Sini Tan
	  Integrating CMC and verbal discussions in students' collaborative learning in F2F classroom
	Ravi Vatrapu, Dan Suthers, Richard Medina
	  Notational effects on use of collaboratively constructed representations during individual essay writing

17.30-18.15	PAPER SESSION 19 (Interactive): Social Software and Wikis

Kassos & Astypalaia	Chair: Stavros Demetriadis
	
	Michele Notari, Beat Döbeli Honegger
	  Over-computing CSCL macro scripts?
	Hedieh Najafi, James Slotta
	  Sustaining collaborative knowledge construction in graduate-level education: examining design issues
	Greenhow Christine
	  Social networking and education: Emerging research within CSCL

17.00-18.15	PAPER SESSION 20 (Interactive): Professional Development

Kalymnos & Nissyros	Chair: Hans Spada
	
	Patrick Jermann, Guillaume Zufferey, Bertrand Schneider, Aurélien Lucchi, Simon Lépine, Pierre Dillenbourg
	  Physical space and division of labor around a tabletop tangible simulation
	Bruno Poellhuber, Catherine Allen, Martine Chomienne
	  CSCL for teachers' professional development
	Tammy Eisenmann, Baruch B. Schwarz, Reuma de Groot
	  Relay race of practice: integrating technological tools into teaching and learning scenarios

Saturday 13 June

09.00-10.30   PAPER SESSION 21: Peer Awareness for Assessment, Coaching & Coordination

Kos	Chair: Daniel Bodemer
	
	Chris Phielix, Frans J. Prins, Paul A. Kirschner
	  The design of peer feedback and reflection tools in a CSCL environment
	Jürgen Buder, Daniel Bodemer, Jessica Dehler,Tanja Engelmann
	  SCAN tools for collaborative learning
	Lung-Hsiang Wong, Chee-Kuen Chin, Wenli Chen, Ping Gao
	  VSPOW: An Innovative collaborative writing approach to improve Chinese as L2 pupils' linguistic skills

09.00-10.30   PAPER SESSION 22 : Web 2.0, Wikis and Knowledge Building

Kassos & Astypalaia	Chair: Friedrich Hesse
	
	Hoda Baytiyeh, Jay Pfaffman
	  Why be a Wikipedian ? *BSPN*
	Joachim Kimmerle, Johannes Moskaliuk, Ulrike Cress
	  Learning and knowledge building with social software
	Ulrike Cress, Joachim Kimmerle
	  Knowledge exchange as a motivational problem – Results of an empirical research program

09.00-10.30   SYMPOSIUM 6 : Issues in Scaffolding Collaborative Science Inquiry Learning

Rhodes	Chair: Stamatina Anastopoulou
	
	Discussant: Claire O' Malley
	
	Jim Slotta, Marcia Linn
	  Designing effective collaborative inquiry with new technology
	Eileen Scanlon, Karen Littleton, Stamatina Anastopoulou, Mike Sharples, Shaaron Ainsworth
	  Personal Inquiry and Groupwork: Issues for computer-supported inquiry learning
	Marcelo Milrad, Roy Pea, Daniel Spikol, Heidy Maldonado
	  Mobile science collaboratories to support open inquiry
	Ton de Jong, Wouter R. van Joolingen, Armin Weinberger
	  Learning by Design. An example from the SCY-project

10.30   *COFFEE*

10.45-12.00   PAPER SESSION 23 (Sps): Awareness and Self-Regulation

Kos	Chair: Jorgen Buder
	
	Tharrenos Bratitsis & Angelique Dimitracopoulou
	  Studying the effect of Interaction Analysis indicators on students' selfregulation during asynchronous discussion learning activities
	Emmanuel Giguet, Nadine Lucas
	  Creating discussion threads graphs with Anagora
	Agoritsa Gogoulou, Evangelia Gouli, Christos Tsakostas, Maria Grigoriadou
	  Self-regulation in ACT: A case study in peer-assessment activities
	Astrid Wichmann, Adam Giemza, Matthias Krauß, Ulrich Hoppe
	  Effects of awareness support on moderating multiple parallel e-discussions
	Carmen Zahn, Karsten Krauskopf, Friedrich W. Hesse, Roy Pea
	  Participation in knowledge building "revisited": Reflective discussion and information design with advanced digital video technology

11.00-12.00 PAPER SESSION 24 : Knowledge Construction and Gaming Practices

Kassos & Astypalaia	Chair: Eleni Kyza
	
	Bernhard Ertl
	  Conceptual and procedural knowledge construction in computer supported collaborative learning
	Ulrika Bennerstedt, Jonas Linderoth
	  The spellbound ones: Illuminating everyday collaborative gaming practices in a MMORPG

12.00-13.00 PLENARY PANEL: From Maratea to Rhodes: 20 years of CSCL

Rhodes & Patmos	Chair: Claire O'Malley *Panelists:* Claire O'Malley, Pierre Dillenbourg, Jeremy Roschelle, Stephanie Teasleay

13.00-14.00 CSCL2009 AWARDS & CONFERENCE CLOSING

Rhodes & Patmos	Chair: Marcia Linn (ISLS President)
	
	  CSCL2009 Awards
	  Presentation of ICLS 2010 Conference
	  Presentation of CSCL2011 Conference
	  Acknowledgments
	  Closing

I. Online Communities *(studying practices, studying design issues)*

I.1 Scratch-Ed: An online community for Scratch Educators
Karen Brennan

I.2 Designing on-line communities to enhance teacher professional development
Cheryl Ann Madeira & James D. Slotta

I.3 Can teachers' discussion lists be a tool for in-service collaborative learning? What reveals a three years analysis?
Olivier Caviale & Éric Bruillard

I.4 Advancing collaborative creativity in the context of Greek teachers' In-service training in environmental education
Maria Daskolia, Niki Lambropoulos, Panagiotis Kampylis

I.5 WISETales: Sharing personal stories as informal learning experience for women in science and engineering
Zina Sahib & Julita Vassileva

II. Design of Complete environments

II.1 A new framework for smart classroom research: Co-designing curriculum, research and technology
Mike Tissenbaoum & James D. Slotta

II.2 Design of an online global learning community: International Collaboration of grades 7-9 science students
Steven Kertin, Elizabeth Goehring, William Carlsen, James Larsen, Charles Fisher

II.3 Designing environments for collaborative learning: Facilitating the adoption of ICT in small and medium sized enterprises in Costa-Rica
Heilyn Camach & Lone Dirckinck-Holmfeld

II.4 eJournalPlus: Development of a collaborative learning system for constructive and critical reading skills
Toshio Mochizuki, Hiroki Oura, Tomomi Sato, Toshihisa Nishimori, Mio Tsubakimoto, Jun Nakahara, Yuhei Yamauchi, Johansson Kjell Henrik, Kenichiro Matsumoto, Shinichi Watanabe, Takashi Miyatani   *BTDN*

II.5. Using Speech Recognition Technology in the Classroom: An Experiment in Computer-Supported Collaborative Learning
Anthony Cocciolo   *BTDN*

II.6 MobItz: A mobile multimedia tool for informal learning
Sarah Lewis, Roy Pea, Joe Rosen

II.7 Collaborative augmented reality in schools
Lyn Pemberton & Marcus Winter

II.8 iSocial: A 3D VLE for youth with autism
James Laffey, Matthew Schmidt, Janine Stichter, Carla Schmidt, Sean Goggins

II.9 Fostering online collaborative learning using Wikis: A pilot study
Andri Ioannou, Agni Stylianou-Georgiou

II.10 Designing Wikis for collaborative learning and knowledge building in Higher Education
Swapna Kumar

II.11 Designing with learners for game-based collaborative learning: An account of T-Rex group
Beaumie Kim, Alexis Pang, Misong Kim, Jason Lee

II.12 Bridging school and home: Students' engagement with technology-rich activities
Britte Haugan Cheng, Serena Villalba, Daniel Schwartz, Doris Chin, Patrik Lundh, Aasha Joshi

II.13 CoPe_it!: Argumentative collaboration towards learning
Manolis Tzagarakis, George Gkotsis, Markos Hatzitaskos, Nikos Karousos, Nikos Karacapilidis   *BTDN*

II.14 The 'Talk Factory' software: scaffolding students' argumentation around an Interactive Whiteboard in primary school science
Marilena Petrou, Lucinda Kerawalla, Eileen Scanlon

II.15 Software Design Principles for Video Research in the Learning Sciences and CSCL: Two Studies Use the Perspectivity Framework & Orion™
Ricki Goldman, Chaoyan Dong, Reneta Lansiquot

III. **Design of Specific features - Computer-based Interaction Analysis** *(indicators & tools)*

III.1 Automating the analysis of collaborative discourse: Identifying ideas clusters
Nobuko Fujita & Christopher Teplovs

III.2 Determining curricular coverage of students contributions to an online discourse environment through the use of Latent Semantic analysis and term clouds
Christopher Teplovs and Nobuko Fujita

III.3 Proposing 'collaborative filtering' to foster collaboration in ScratchR Community
Georgios Fessakis & Angelique Dimitracopoulou

III.4 Context-aware Activity Notification system: supporting CSCL
James Laffey, Ran-Young Hong, Krista Galyen, Sean Goggins

III.5 Share and explore discussion forum objects on the Calico website
Emmanuel Giguet, Nadine Lucas, Francois-Marie Blondel, Eric Bruillard   BTDN

III.6 Improving CSCL indicators by sharing multimodal teaching and learning Corpora
Christophe Reffay & Marie-Laure Betbeder

III.7 Alternative ways of monitoring collaborations
Eleni Voyiatzaki & Nikolaos Avouris

III.8 Computer Assisted Evaluation of CSCL Chat Conversations
Traian Rebedea & Stefan Trausan-Matu

III.9 GRASP: The group learning assessment platform
Gahgene Gweon, Rohit Kumar, Carolyn Penstein Rosé

POSTERS PLENARY SESSION B

IV. **Understanding and studying collaborative processes**

IV.1 Positioning theory as analytic tool for understanding intersubjective meaning-making
Irena Paulus, Heather Stewart, Anton Reece, Patti Long

IV.2 From outcast to expert: Identities as a conceptual lens for studying learning through design across spaces
Deborah Fields & Yasmin B. Kafai

IV.3 When to Collaborate: Individual and group exploration of a hypertext environment with an inquiry science classroom
Garrett W. Smith, Sarah A. Sullivan, Sadhana Puntambekar

IV.4 Motivation and collaborative behavior: An exploratory analysis
Iris Howley, Sourish Chaudhuri, Rohit Kumar, Carolyn Penstein Rosé

IV.5 Impact of learning presence on learner interaction and outcome in web-based project learning
Myung hee Kang, Ji yoon Jung, Mi soon Park, Hyo jin Park

IV.6 Organizing Mischief: Comparing shared and private displays on a collaborative learning task
Neema Moraveji, Robb Lindgren, Roy Pea

IV.7 Interplay of group dynamics and science talk in a designed based classroom
Anushree Bopardikar, Dana Gnesdilow, Sadhana Puntambekar

IV.8 What is seen on the screen? Exploring collaborative interpretation, representational tools and disciplined perception of medicine
Andreas Gegenfurtner

IV.9 Learning Support through Scaffolding Collaborative Project Work
Matthias Korn & Michael Veith

IV.10 Using Mobile and Classroom Technology to foster and capture learning across formal and informal contexts: A pilot study
Timothy Zimmerman

V.   **Design of Specific features**

V.1   Connecting online learners at a distance: The promise and challenge of using metaphors as reference points
Alyssa Friend Wise, Poornima Padmanabhan, Thomas Duffy

V.2   Explicit references in chat-based CSCL: Do they facilitate global text processing? Evidence from eye movement analysis
Michael Oehl & Hans-Rüdiger Pfister

V.3   Analysing technology-enhanced knowledge practice in an engineering course
Satu Jalonen, Kari Kosonen, Minna Lakkala

V.4   Context and scripts: Supporting interactive work-integrated learning
Mario Aehnelt, Sybille Hambach, Petra Müsebeck, Marleen Musielak, Robert de Hoog, Jose Kooken, Stefanie Lindstaedt

V.5   Supporting collaborative learning across social media applications
Vlad Posea, Ștefan Trăușan-Matu, Eelco Mossel, Paola Monachesi

V.6   Design distributed scaffolding for modeling a complex system
Ying-Shao Hsu, Hsin-Kai Wu, Fu-Kwun Hwang, Li-Fen Lin

V.7   Scaffolding for computer writing to learning activities in vocational training
Monica Gavota, Mireille Bétrancourt, Daniel Schneider, Urs Richle

V.8   Fostering collaborators' ability to draw inferences from distributed information: a training experiment
Anne Meier & Hans Spada

V.9   Effects of a context awareness tool on students' cognition of their team-mates learning *time* in a distance learning project ability
Margarida Romero, André Tricot, Claudette Mariné

V.10   Scaffolding teacher adaptation by making design intent explicit
Hsien-Ta Lin & Barry Fishman

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VI.   **Development aspects (architectures, scripting)**

VI.1   An architecture for intelligent CSCL argumentation systems
Frank Loll, Niels Pinkwart, Oliver Scheuer, Bruce M. McLaren

VI.2   VMT-Basilika: An environment for rapid prototyping of collaborative environments with dynamic support
Rohit Kumar, Sourish Chaudhuri, Iris Howley & Carolyn Penstein Rosé   **BTDN**

VI.3   eXtremely Simple Scripting (XSS): A Framework to speed up the development of computer-supported collaboration scripts
Karsten Stegmann, Sara Streng, Max Halbinger, Jonas Koch, Frank Fischer, Heinrich Hußmann

VI.4   Design and enactment of Collaboration Scripts – an integrative approach with graphical notations and learning platforms
Andreas Harrer, Dan Kohen-Vacs, Benedikt Roth, Nils Malzahn, Ulrich Hoppe, Miky Ronen

VI.5   A design rational of an editor for Pedagogical Procedures
Christian Martel, Laurence Vignollet, Christine Ferraris, Emmanuelle Villiot-Leclercq

VENUE

The conference takes place at the locations of

Aldemar Paradise Royal Mare Conference Center

http://www.aldemarhotels.com/EN_Rhodes-Paradise-Royal-Mare.html

CONFERENCE HALL I

RHODES PATMOS KOS KARPATHOS LOBBY

OFFICES OFFICES KITCHEN

CONTROL ROOM

KALYMNOS LEROS KASSOS

CONFERENCE HALL II

NISSIROS SIMI ASTIPALAIA

HALKI

TILOS KASTELLORIZO

Social Events

(A) Junior Participants Event (June 9th): Kallithea's Springs / Spa

Kalithea is one of the most beautiful places on the island. It is built on a picturesque anchorage full of pine trees. There you'll find spa springs, which are known from the 7th century b.c, and can cure many diseases. Kalithea's buildings were designed in 1930 and they are one of the more beautiful buildings on the island. The Italian architect Pietro Lombardi designed the famous fountain, the square, the entrance and the sanitary facilities. All these create magnificent scenery that can be seen from the anchorage above. There is a diving school situated there, where one can explore Kalithea's magical underwater seaworld.

(B) Opening Ceremony (June 10th): The Palace of the Grand Master (medieval part of Rhodes town)

The Palace, one of the most imposing buildings of the medieval town is located at the end of Street of Knights. A formidable citadel constructed by the Knights of St John in the 14th century. There are many impressive rooms with fine pieces of furniture, polychrome marbles, statues, carpets, oriental vases etc. Among these rooms particular mention should be made of the following: The waiting room, the reception hall, the room of the Medusa mosaic, the room of the icons, the ballroom, the music room …and many more.

(C) Conference Dinner (June 12th): In Lindos Village

Lindos is a village with white picturesque houses and an archaeological site, on the east coast of the island of Rhodes. Above the modern town rises the acropolis of Lindos, a natural citadel that offers spectacular views of the surrounding harbours and coastline.

The Organizers

International Society of the Learning Sciences

The International Society of the Learning Sciences, incorporated as a non-profit professional society in September, 2002, unites the traditions started by the Journal of the Learning Sciences, the International Conferences of the Learning Sciences (ICLS), and the Computer-Supported Collaborative Learning Conferences (CSCL) and offers publications, conferences, and educational programs to the community of researchers and practitioners who use cognitive, socio-cognitive, and socio-cultural approaches to studying learning in real-world situations and designing environments, software, materials, and other innovations that promote deep and lasting learning.

Researchers in the interdisciplinary field of learning sciences, born during the 1990's, study learning as it happens in real-world situations and how to better facilitate learning in designed environments – in school, online, in the workplace, at home, and in informal environments. Learning sciences research is guided by constructivist, social-constructivist, socio-cognitive, and socio-cultural theories of learning.

The society is governed by a Board of Directors elected by the paid-up membership. Officers of the society include the President (chosen by the Board of Directors), Past-President, President-Elect, an Executive Officer. and a Financial Officer. Much of the work of the society is done by committees whose members are drawn from both the Board and the membership at large. [www.isls.org]

University of the Aegean

The University of the Aegean is a relatively new University albeit a dynamic one. Founded in 1984, it is one of the newest Universities in Greece. Today, 25 years later, the University has 17 departments and has become one of the largest Universities in the country. The central administration of the University is located in Mytilene (the capital of the island of Lesvos), while various school and departments have been established in Chios, Samos, Rhodes, Syros and Mytilene. Because the University is set up on different islands, it constitutes a pioneer University-network covering all prefectures of the Aegean Sea. Both the natural beauty of the Aegean Sea and the innovative nature of the University become poles of attraction and bases of research and knowledge environments.

School of Humanities: It is located in Rhodes, and it is composed of three departments: Department of Primary Education, Department of Sciences of Pre-school Education and of Educational Design, and the Department of Mediterranean Studies.

Learning Technology and Educational Engineering laboratory (LTEE lab). It is located in Rhodes Island and it was established in 2000. The LTEE laboratory supports academic research and teaching needs in the field of educational applications of Information and Communication Technologies as well as in Mathematics and Science Education. [www.aegean.gr]

Learning Sciences Research Institute &

Doctoral Program

University of Illinois at Chicago

ICLS 2010

"Learning in the Disciplines"

June 29 - July 2 & Pre-conference June 28 – 29, 2010

Chicago Palmer House Hilton Hotel

Chicago, IL, the third largest city in the United States, is often mentioned as the home of Barack Obama, but Chicago is also home to many famed cultural institutions, historic architecture, diverse neighborhoods, great restaurants, and a friendly charm seldom seen in urban centers. Join us this summer to discuss "Learning in the Disciplines," a theme that highlights key **Learning Sciences questions**:

- How can disciplinary practices and understandings inform LS research, theory, and design?
- How does learning vary across disciplines; what, if anything, is constant?
- How are disciplinary practices and knowledge represented in educational settings, designs, and instruction? How might they be reconsidered?
- How can collaborative research and comparative perspectives contribute to LS research and practice?

Special Invited Sessions and Strands:

-- Identity as a lens on learning, within and across the disciplines

-- Representational practices and modeling within and across disciplines

-- Professional disciplinary education as a context of research and practice

Preconference Activities: Doctoral Consortium, Early Career Workshop, Field-Initiated Workshop

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