CBLIS 2010

Warsaw, Poland, July 4 – 7, 2010

Sessions – Detailed Schedule

Monday July 5, 11:30 - 13:00		
	Session 1 - Chair: Zacharias C. Zacharia	**Session 2 - Chair: Philip Barker**
1	COMPARING THE EFFECT OF TWO DIFFERENT COOPERATIVE APPROACHES ON STUDENTS' LEARNING AND PRACTICES WITHIN THE CONTEXT OF A WEBQUEST SCIENCE INVESTIGATION - Xenofontos Nikoletta, Zacharia C. Zacharias, Manoli Constantinos	MODELLING AND DATA ACQUISITION FOR CONTINUING VOCATIONAL TRAINING OF UPPER SECONDARY SCHOOL PHYSICS TEACHERS IN PUPIL-ACTIVE LEARNING OF SUPERCONDUCTIVITY AND ELECTROMAGNETISM BASED ON MINDS-ON SIMPLE EXPERIMENTS - Tomasz Greczyło, Frederic Bouquet, Ewa Dębowska, Francisco Esquembre, Vegard Stornes Farstad, Gren Ireson, Ewa Kędzierska, Marisa Michelini, Wim Peeters
2	CAN UNSUPPORTED RECIPROCAL PEER ASSESSMENT BE IMPLEMENTED BY SECONDARY SCHOOL STUDENTS IN THE ASSESSMENT OF WEB-PORTFOLIOS?- Tsivitanidou Olia, Zacharia C. Zacharias, & Hovardas Tasos	TECHNOLOGY-ENHANCED LEARNING ABOUT CHEMICAL BONDING IN HIGH SCHOOL CHEMISTRY - Annette Hilton
3	USING REAL -TIME GRAPHS TO ENHANCE UNDERSTANDING OF KINEMATICS GRAPHS: MOTIONS DETECTORS IN THE PHYSICS CLASSROOM - Hildegard Urban-Woldron	CREATING DIGITAL LEARNING OBJECTS TO TEACH ABSTRACT IDEAS IN MODERN PHYSICS AND ASTRONOMY - Brian Martin, Wytse Brouwer, David Austen

	Monday July 5, 14:30 - 16:00		
	Session 1 - Chair: Tomasz Greczyło	**Workshop**	**Workshop for Polish Teachers**
1	TOWARDS A MODEL FOR EVALUATING STUDENT LEARNING VIA E-ASSESSEMENT - Thomas Lee Hench, Denise M. Whitelock	STEPS TOWARDS INTEGRATION OF TECHNOLOGICAL AND PEDAGOGICAL INNOVATION IN THE CONTEXT OF INQUIRY LEARNING: LESSONS LEARNED IN THE SCY PROJECT - Margus Pedaste, Zacharias C. Zacharia, Ton deJong, Adam Giemza	ON LINE TRAVELING… USING GIS IN SCHOOLS WORKSHOPS FOR POLISH TEACHERS - Anna Grzybowska, Małgorzata Witecka
2	E-ASSESSMENT FOR OPEN LEARNING - Philip Butcher		
3	THE EVALUATION OF eLEARNING STUDY SUPPORTS - Jana Šarmanová, Jana Kapounová		

Monday July 5, 16:30 - 18:00			
	Session 1 - Chair: Witold Kranas	**Workshop**	**Workshop for Polish Teachers**
1	ADAPTIVE INDIVIDUALIZED EDUCATION IN E-LEARNING - Kostolányová Kateřina, Šarmanová Jana, Takacz Ondřej	A WEB-BASED LEARNING ENVIRONMENT FOR PROMOTING HIGH SCHOOL STUDENTS' UNDERSTANDING ON THE GREENHOUSE EFFECT AND DEVELOPMENT OF ARGUMENTATION AND DECISION MAKING SKILLS IN THE CONTEXT OF CLIMATE CHANGE - Georgia Michael, Nikos Papadouris, Kalypso Iordanou, Constantinos P. Constantinou, Christakis Avraam	HOW DO THE DATA-LOGGING AND VIDEO MEASUREMENT ACTIVITIES HELP STUDENTS TO UNDERSTAND MOTION? - Elżbieta Kawecka
2	MAKING SUMMATIVE ONLINE ASSESSMENT MORE SECURE: INVESTIGATING TIME, CONTENT, AND QUESTION TYPE - Thomas Lee Hench		
3	ASSESSMENT FOR LEARNING: WHERE ARE WE ON THE E-ASSESSMENT SPECTRUM? - Denise M. Whitelock		

	Tuesday July 6, 10:00 - 11:00		
	Session 1 - Chair: Zacharias C. Zacharia	**Session 2 - Chair: Jan Aleksander Wierzbicki**	**Workshop**
1	PHYSICAL MEETS VIRTUAL: BLENDING PHYSICAL AND VIRTUAL MANIPULATIVES TO IMPROVE UNDERSTANDING IN THE DOMAIN OF LIGHT AND SHADOWS - Georgios Olympiou, Zacharias C. Zacharia	SOCIAL AND COGNITIVE CONSTRUCTIVISMS IN PRACTICE ON THE BASIS OF ETWINNING PROJECTS IN SCIENCE - Elżbieta Gajek	HOW TO USE CLASSMATE PC IN THE CLASSROOM - Wanda Jochemczyk, Katarzyna Olędzka, Agnieszka Samulska
2	EXAMINING THE COMBINATION OF PHYSICAL AND VIRTUAL EXPERIMENTS IN AN INQUIRY SCIENCE CLASSROOM Classroom - Garrett W. Smith, Sadhana Puntambekar	FREE TEXTBOOKS AS A PART OF THE OPEN EDUCATION RESOURCES MOVEMENT- Jakub Wagner	

	Tuesday July 6, 11:30 - 13:00		
	Session 1 - Chair: Costas P. Constantinou	**Session 2 - Chair: Józefina Turło**	**Workshop 1**
1	AN ANALYSIS OF SCIENCE TEACHERS' CLASSROOM DISCOURSE RELATING TO THE USE OF MODELS AND SIMULATIONS IN PHYSICS - Dana Gnesdilow, Garrett W. Smith, Sadhana Puntambekar	INTEGRATING DIFFERENT TYPES OF TECHNOLOGY IN PHYSICS TEACHING: FROM DATA-LOGGING TO MODELLING - Hildegard Urban-Woldron	EFFECTIVE TEACHING PHYSICS WITH IT - SEVERAL EXAMPLES OF LESSONS USING THE ANIMATION, SIMULATION, INTERACTIVE EXERCISES AND MOVIES WITH THE INFRARED CAMERA - Mirosław Łoś, Maria Dobkowska
2	TEACHING GEOMETRICAL OPTICS THROUGH MODELING: AN ANALYSIS OF TEACHERS' CURRICULUM DESIGNS - Marios Papaevripidou, Constantinos P. Constantinou, Zacharias C. Zacharia	INQUIRY AND DATA LOGGING BASED APPROACH TO REMOVE MISCONCEPTIONS IN UNDERSTANDING NON-INERTIAL SYSTEMS - Zdena Lustigova	
3	TEACHERS' DESIGNS OF WEB-BASED INQUIRY LEARNING ENVIRONMENTS AS A PROBE FOR INQUIRY TEACHING AND LEARNING FRAMEWORKS - Alexia Sevastidou, Constantinos P. Constantinou	SENSOR AS SENSES EXTENSION TO EXPLORE PHENOMENA IN PRIMARY AND TO LEARN PHYSICS IN SECONDARY SCHOOL - Marisa Michelini, Mario Gervasio, Stefano Vercellati, Alberto Stefanel	

Tuesday July 6, 14:30 - 16:00			
	Session 1 - Chair: Philip Barker	**Session 2 - Chair: Magdalena Staszel**	**Workshop 1**
1	VERIFICATION OF PRACTICAL SKILLS IN AN E-COURSE - Zbyněk Filipi, Jana Kapounová, Ingrid Nagyová, Tomáš Přibáň, Václav Vrbík	FAST, ON THE FLY POSITION MEASUREMENTS OF FREELY MOVING OBJECTS „fire fly strategy" - Józefina Turło, Zygmunt Turło	INFORMATION AND COMMUNICATION TECHNOLOGY FOR INNOVATIVE SCIENCE TEACHERS (ICT FOR IST) - Laurence Rogers, Costas Constantinou, Elżbieta Kawecka, Ewa Kędzierska, Zdena Lustigova, Marios Papaevripidou, John Twidle, Hildegard Urban-Woldron
2	FROM LINEAR TEXT TO HYPERMEDIA - Victor Lopez Simo, Roser Pintó	ALGORITHMICS FROM EARLY YEARS - Wanda Jochemczyk, Katarzyna Olędzka, Agnieszka Samulska	
3		THE SHORT FILMS IN E-LEARNING TEACHING PHYSICS - Anna Hajdusianek, Ireneusz Hajdusianek	

Tuesday July 6, 16:30 - 18:30			
	Poster session	**Session 1 - Chair: Jana Kapounova**	**Session 2 - Chair: Peter Wright**
1	HOW THE COMPUTER CAN HELP TO LEARN THE STICK-SLIP DYNAMICS - Francesco di Liberto, Emilio Balzano, Marco Serpico, Fulvio Peruggi	OUR CLIMATE, OUR CHANGE - USING DIGITAL LEARNING OBJECTS TO PRESENT THE COMPLEX SCIENCE OF GLOBAL CLIMATE CHANGE - Brian Martin, Peter Mahaffy	ENHANCING LEARNING THROUGH STUDENT VIDEO PRODUCTION IN MIDDLE SCHOOL SCIENCE - Geoff Hilton
2	ROBOTICS IN SCIENCE EDUCATION - Emine Sahin	ENQUIRY-BASED LEARNING USING PICTURES: THE GEOGRAPH PROJECT - Philip Barker	DEVELOPMENTS IN THE USE OF THE INTERNET FOR SCIENCE TEACHING: PARTNERSHIP AND COLLABORATION IN TEACHER EDUCATION - John Twidle, Laurence Rogers, Pete Sorensen
3	ICT for IST project	SUPPORTING SCIENCE STUDIES FOR CHILDREN WITH LONG TERM HEALTH PROBLEMS USING NEFREDUCA - Denise M. Whitelock, Roser Pintó and Marcel la Saez	MEASURING COMPETENCES OF PRE-SERVICE SCIENCE TEACHERS' TECHNOLOGICAL PEDAGOGICAL CONTENT KNOWLEDGE - Mehmet Fatih Tasar, Betül Timur
4	FREE TEXTBOOKS IN PRACTICE - Jakub Wagner	CONSISTENCY OF AN OPTICS LESSON INCLUDING ICT AT GRADE 8 - El Hage Suzane, Becu-Robinault K., Buty C.	THE DYAD AND THE SIMULATOR - Anders Kluge
5	ELECTROMAGNETIC BRAKE - Zenobia Stojecka		
6	ASTRONOMY IN CZACKI HIGH SCHOOL - Barbara Dłużewska		
7	COMPETITIONS ON PROGRAMMING IN LOGO - Wanda Jochemczyk, Katarzyna Olędzka, Agnieszka Samulska (OEIiZK)		
8	COACH 6 - MULTIMEDIA ENVIRONMENT FOR SCIENCE AND MATHEMATICS EDUCATION - Ewa Kędzierska (AMSTEL)		

Wednesday July 7, 09:00 - 11:00		
	Session 1 - Chair: Evripides Hatzikraniotis	**Session 2 - Chair: Peter Wright**
1	"PEC TASK EXPLORER": A TOOL FOR ICT SUPPORTED LEARNING IN SCIENCE - A. Theodorakakos, E. Hatzikraniotis, D. Psillos	OBSERVING THE SEEN AND UNSEEN: COMPUTER AND SOCIAL MEDIATION OF A COMPLEX BIOLOGICAL SYSTEM - Catherine Eberbach, Cindy Hmelo-Silver
2	TALKING PHYSICS IN INQUIRY BASED VIRTUAL LABORATORY ACTIVITIES - Ioannis Lefkos, Dimitris Psillos, Evripides Hatzikraniotis	TALK FACTORY: THE USE OF GRAPHICAL REPRESENTATIONS TO SUPPORT ARGUMENTATION AROUND AN INTERACTIVE WHITEBOARD IN PRIMARY SCHOOL SCIENCE - Lucinda Kerawalla, Marilena Petrou, Eileen Scanlon
3	THE USE OF WEB COMICS IN DEVELOPING STUDENTS' UNDERSTANDING OF THE DISTINCTION BETWEEN OBSERVATION AND INFERENCE - Rodothea Hadjilouca, Maria Costoullou Costas P. Constantinou	PERSONAL INQUIRY: SCRIPTING SUPPORT FOR INQUIRY LEARNING BY PARTICIPATORY DESIGN - Eileen Scanlon, Lucinda Kerawalla, Alison Twiner, Paul Mulholland, Trevor Collins, Ann Jones, Mark Gaved, Karen Littleton, Canan Blake and Grainne Conole
4	USING SEMI-CONCRETE AND CONCRETENESS FADING COMPUTER-SIMULATIONS TO PROMOTE LEARNING AND TRANSFER IN ELECTRICITY - Tomi Jaakkola, Koen Veermans	HOW THE DESIGN OF A WEB-BASED INQUIRY LEARNING ENVIRONMENT STIMULATED STUDENT DISCUSSIONS ABOUT EVIDENCE CREDIBILITY - Eleni A. Kyza, Iolie Nicolaidou, Frederiki Terzian, Andreas Hadjichambis and Dimitris Kafouris