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		TUESDAY 21 AUG	SUST 2012				
13:30-14:30	Welcome Opening address: Prof. Sfikopoulos Th., Vice Rector, National & Kapodistrian University of Athens, Dept. of Informatics and Telecommunications Prof. Zagouras Ch, Computer Technology Institute and Press "Diophantus" Prof. Clayson J. and Prof. Kynigos C., Conference Chairs						
			AEGEAN				
14:30-16:00 Plenary	CAFÉ PHILO AT CONSTRUCTIONISM 2012 Clayson J. & Noss R. Chair: Kynigos C.						
Session	ONSTRUCTIONISM AND THE CONFIRMATION OF A RELUCTANT CONSTRUCTIVIST coldenberg, E. P. Chair: Hoyles C.						
16:00-16:30	Coffee						
	AEGEAN	CORFU I	CORFU II	SYROS I			
	THEME: CONSTRUCTIONIST CLASSROOM EXPERIENCES	THEME: CONSTRUCTIONIST TECHNOLOGIES	THEME: LEARNING PROCESSES AND CONCEPTS	THEME: INFORMAL EDUCATION (COLLECTIVES AND SOCIAL NETWORKING)			
16:30-18:00	A TURTLE'S GENETIC PATH TO OBJECT ORIENTED PROGRAMMING Oldenburg R., Rabel M., Schuster J.	THREE-MINUTE CONSTRUCTIONIST EXPERIENCES Kahn K., Noble H., Hjorth A., Sampaio F. F.	THE TECHNICITY THESIS: A CONSTRUCTIONIST PROPOSITION O' Duill M.	EDUCATIONAL ONLINE SOCIAL NETWORKING IN TERTIARY EDUCATION - A TEACHING INTERVENTION			
Research Reports / Best Practice Reports	orts / COLLABORATIVE MATHEMATICAL PROBLEM SOLVING Abdu R., Schwarz B. FOR SUPPORTING MATHEMATICAL INVESTIGATIONS Feurzeig W., Horwitz P. MA	TOWARDS TURING TEACHING O' Duill M. MAKE TO THINK: IDEAS, SPACES AND TOOLS Urrea C., Badilla-Saxe E., Miranda – Garnier X,	Glezou K. CULTIVATING CONSTRUCTIVE MINDSET IN WORLD MUSEUM - COLLABORATION ACROSS CULTURES AND GENERATIONS Miyata Y., Ueshiba T., Harada Y.				
	IS THIS CONSTRUCTIONISM? YOUNG CHILDREN, MATHEMATICS AND POWERFUL IDEAS? Papademetri-Kachrimani C.	CONSTRUCTIONIST LEARNING OF GEOMETRY Dagiene V., Jasute E.	Barrantes - Acuna D.	REDEFINING CONSTRUCTIONIST VIDEO GAMES: MARRYING CONSTRUCTIONISM AND VIDEO GAME DESIGN Weintrop D., Holbert N., Wilensky U., Horn M.			
	<u>Chair:</u> Yiannoutsou N.	<u>Chair</u> . Wilkerson M.	<u>Chair</u> : Psycharis G.	<u>Chair:</u> Sacristan A.			
			AEGEAN				
18:30-20:00 Panel/debate	HOW DO WE KNOW IT WHEN WE SEE IT? <u>Leader:</u> Goldenberg E. P. <u>Panelists</u> : Clayson J., Kalas I., Harvey B.						
20:00	Welcome reception at the Metropolitan Hotel						



		WEDNESDAY 22 AL	JGUST 2012					
	AEGEAN							
09:30-11:00	CONSTRUCTIONISM: CHANGES IN TECHNOLOGY, CHANGES IN PURPOSE Eisenberg M.							
Plenary Session	<u>Chair:</u> Harvey B.							
	THE BEAUTY AND JOY OF COMPUTING: CO Harvey B. <u>Chair:</u> Sherin B.	OMPUTER SCIENCE FOR EVERYONE						
11:00-11:30	Coffee							
	AEGEAN	CORFU I	CORFU II	SYROS I				
	THEME: CONSTRUCTIONIST CLASSROOM EXPERIENCES	THEME: INFORMAL EDUCATION (COLLECTIVES AND SOCIAL NETWORKING)	THEME: LEARNING PROCESSES AND CONCEPTS	THEME: CONSTRUCTIONISM AND THE CURRICULUM				
11:30-13:00 Research	BIFOCAL BIOLOGY: THE LINK BETWEEN VIRTUAL AND REAL EXPERIMENTS Fuhrmann T., Greene D., Salehi S., Blikstein P.	BAKED MICROWORLD Kouletsi E. LOGO-BASED ACTIVITIES FOR LEARNING COUNTING FOR CHILDREN WITH DOWN SYNDROME Bonilla J., Sacristan A. I.	TINKERING CREATIVELY WITH SUSTAINABILITY Daskolia M., Kynigos C. LITERAMOVIE-CREATIVITY IN A MULTILINGUAL	SCIENCE, EDUCATION AND TECHNOLOGY: ROBOTICS IN THE CURRICULUM AT SCHOOLS IN BRAZIL Campos F.				
Reports / Best Practice Reports	CHILDREN'S REASONING ABOUT SAMPLES AND SAMPLING IN A PROJECT- BASED LEARNING ENVIRONMENT Paparistodemou E., Meletiou – Mavrotheris M.		AND MULTIMEDIA E-EDITION OF CLASSIC TEXTS Tzoumerkas J., Petropoulou V. DESIGNING TOOLS FOR CREATIVE LEARNING Portocarrero E.	CREATING MOTION MODELS BY MANIPULATING PARAMETERS THAT CORRESPOND TO SCIENTIFIC CONVENTIONS Smyrnaiou Z., Moustaki F.				
	GREEK SALAD INSTEAD OF SPINACH OR PLAYFUL INFORMATICS Farkas K., Csink L.	INTERACTIVE BOARD GAMES IN CLASSROOM Skiadelli M.		SOCIAL INTERACTIONS AMONG MODELERS Lerner R. M., Levy S. T., Wilensky U.				
	Chair: Smyrnaiou R.	<u>Chair:</u> Dagiene V.	<u>Chair</u> : Clayson J.	Chair: Futschek G.				
13:00-14:00	Lunch International Scientific Committee	ee Meeting (SYROS II)						
			AEGEAN					
14:00-15:00								
Poster /	Posters will be displayed until the end of	the Conference. Authors will present their worl	k during this Session.					
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	AEGEAN						
	ROBOBUILDER: A PROGRAM-TO-PLAY CONSTRUCTIONIST VIDEO GAME Weintrop D., Wilensky U. ACTING LIKE A TURTLE: A NETLOGO KINECT EXTENSION Hjorth A., Wilensky U.	GEOGRAPHY TEXTB Athanasiadis C., Antor TEACHER ASSISTAN CONSTRUCTIONIST	niou A., Salonikidis I., Klonari A ICE TOOLS FOR THE	EVOLUTION IN BLOCKS: BUILDING NOF EVOLUTION USING BLOCKS Wagh A., Wilensky U. MODELING COMMONS Lerner R. M., Levy S. T., Wilensky U.	MODELS	SUPERSONICMAN - AN INFORMATICS X PHYSICS PROJECT Benacka J. DIALOGS WITH PROMETHEUS: INTELLIGENT SUPPORT FOR TEACHING MATHEMATICS Rojano T., Abreu J.L.	
			WEDNESDAY 22 AU	GUST 2012			
	AEGEAN		CORFU I	CORFU II		SYROS I	
	THEME: CONSTRUCTIONIST CLASSROOM EXPERIENCES		ORMAL EDUCATION D SOCIAL NETWORKING)	THEME: CONSTRUCTIONIST TECHNOLOGIES		THEME: CONSTRUCTIONISM IN TEACHER EDUCATION PROGRAMS	
15:00-16:30 Research Reports / Best Practice Reports	Liarakou G., Daskolia M., Papanikolaou A. COMPUTER AS CHALK: SUPPORTING YOUTH AS DESIGN AND LEARNING (D&L) IN THE KINDERGARTEN COMPUTER AS CHALK: SUPPORTING YOUTH AS DESIGNERS OF TANGIBLE USER INTERFACES REPRESENTATIONAL SYSTEMS ON 3 NAVIGATION PROCESS Markopoulos C., Alexopoulou E.		NING)	DESIGNING AND MODIFYING ARTIFACTS THROUGH ACTUAL IMPLEMENTATION IN MATHEMATICS CLASSROOM Kalogeria E., Psycharis G., Ardavani K. PREPARING TEACHERS TO USE LAPTOPS INTEGRATED TO CURRICULUM ACTIVITIES: THE EXPERIENCE OF ONE LAPTOP PER STUDENT PROJECT AT UNICAMP Valente J. A., Martins M. C. TRAINING MIXED GROUPS OF TEACHERS' AND STUDENTS' IN EDUCATIONAL ROBOTICS USING THE STUDIO PEDAGOGICAL MODEL Fessakis G., Kladogenis D., Markouzis D.			
	<u>Chair:</u> Blikstein P.	<u>Chair:</u> Holbert N.		<u>Chair:</u> Verner I.		<u>Chair:</u> Stager G.	
16:30-17:00	Coffee						
	CORFU I			CORFU II		SYROS I	
17:00-18:30 Workshop Session	EXPLORE THE NEXT GENERATION OF SCR Resnick M.	ATCH	NETLOGO WORKSHOP Hjorth A.			: CREATING AND DYNAMICALLY MANIPULATING 3D RICAL FIGURES Psycharis G., Latsi M., Moustaki F.,	

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	CORFU I		CORFU II		SYROS I			
18:30-20:00 Workshop Session	3D IN EXCEL Benacka J.	CONSTRUCTING MICROWO Kynigos C., Yiannoutsou N, M	RLDS WITH E-SLATE SOLVING CONTEST Dagiene V., Futschek, G.					
	THURSDAY 23 AUGUST 2012							
	AEGEAN							
09:30-11:00 Plenary Session	CONSTRUCTIONISM AND THE NEW LEARNING ANALYTICS Sherin B. <u>Chair:</u> Eisenberg M. NICHES FOR CONSTRUCTIONISM: FORGING CONNECTIONS FOR PRACTICE AND THEORY Kynigos C. Chair: Ackermann E.							
11:00-11:30	Coffee							
	AEGEAN	CORFU I	CORFU II		SYROS I			
	THEME: CONSTRUCTIONIST CLASSROOM EXPERIENCES	THEME: CONSTRUCTIONIST TECHNOLOGIES	THEME: LEARNING PROCESSES CONCEPTS	AND	THEME: EDUCATIONAL ROBOTICS			
Reports	THE CONTINUING STORY OF THE PAINLESS TRIGONOMETRY PROJECTS: ERATOSTHENES' METHOD AND THE PARTHENON Sacristan A. I., Jimenez-Molotla J. DIFFERENTIAL APPROXIMATION OF A CYLINDRICAL HELIX BY SECONDARY SCHOOL STUDENTS Zantzos I., Kynigos C. THE NECESSITY OF THE TANGENT Spathis M., Kouletsi E.	MEANINGS FOR 3D MATHEMATICS SHAPED BY ON-LINE GROUP DISCUSSIONS Moustaki F., Kynigos C. CONSTRUCTION AND DESIGN ACTIVITIES THROUGH LOGO BASED 3D MICROWORLD Cho H. H., Lee J. Y., Song M. H. REPRESENTATIONAL CONGRUENCE: CONNECTING VIDEO GAME EXPERIENCES TO THE DESIGN AND USE OF FORMAL REPRESENTATIONS Holbert N., Wilensky U.	DRAMA IN EDUCATION AND CONSTRUSIMOU P. DESIGN COMPASS: FACILITATING METACOGNITION IN CONSTRUCTION IN K-16 CLASSROOMS Danahy E., Hynes M, Ronen A. LEARNING HOW TO LEARN WITH MICROWORLDS: EVALUATION AND HE SEEKING Yiannoutsou N., Mavrikis M.	ACTIVITIES	THE SYMBIOSIS OF DESIGN AND INQUIRY-BASED LEARNING IN CREATING ROBOTIC MODELS OF BIOLOGICAL SYSTEMS Verner I., Cuperman D. HOW TO ENHANCE THE ROBOTIC EXPERIENCE WITH SCRATCH Arlegui J., Moro M., Pina A. EDUCATIONAL ROBOTICS IN ONE LAPTOP PER STUDENT - UCA PROJECT d'Abreu J. V. V., Bastos L. B., Giachetto G. F. A. O.			
	<u>Chair</u> : Psycharis G.	<u>Chair:</u> Holbert N.	Chair: Clayson J.		<u>Chair:</u> Smynaiou R.			
13:30-20:00 Conference Excursion	Half-day trip to Cape Sounio plus beach 8	& tavern						



		FRIDAY 24 AUGUS	ST 2012						
	AEGEAN								
09:30-11:00 Plenary Session	PROGRAMMING FOR THE NATIVES: WHAT IS IT? WHAT'S IN IT FOR THE KIDS? Ackermann E.								
	<u>Chair:</u> Clayson J.								
	MOTHER'S DAY, WARRIOR CATS, AND DIGITAL Resnick M. Chair: Noss R.	FLUENCY: STORIES FROM THE SCRATCH ONL	INE COMMUNITY						
11:00-11:30	Coffee								
	AEGEAN	CORFU I	CORFU II	SYROS I					
	THEME: CONSTRUCTIONIST CLASSROOM EXPERIENCES	THEME: CONSTRUCTIONISM AND THE CURRICULUM	THEME: CONSTRUCTIONISM IN TEACHER EDUCATION PROGRAMS	THEME: CONSTRUCTIONIST COMPETENCIES IN THE 21ST CENTURY					
Reports / Best Practice Reports	SOCIAL SEMIOTICS IN ORDER TO INVESTIGATE STUDENTS' BODILY ENGAGEMENT WITH TASKS IN THREE-DIMENSIONAL SPACE Psycharis G., Morgan C. GROWING UNDER PRESSURE: A THAI SCHOOL LEARNING HOW TO PROSPER WHILE BEING	MATHEMATICS TEXTBOOK Kim H. K., Song M. H. BACK TO THE FUTURE: CAN WE REVERSE A QUARTER-CENTURY OF REGRESSION? O' Duill M. NICODEMUS EXPLORES EGYPTIAN FRACTIONS:A CASE STUDY	A CONSTRUCTIONIST METHOD FOR TEACHING TEACHERS ABOUT BASIC PROPERTIES OF COMPLEX ADAPTIVE SYSTEMS, USING A NETLOGO MODEL Gkiolmas A., Chalkidis A., Karamanos K., Papaconstantinou M., Skordoulis C. TEACHING HOW TO TEACH HOW TO TEACH PROGRAMMING Dagdilelis V. CONSTRUCTIONISM IN THE OILFIELD Tempel M.	TOWARD A DATA EXPRESSION TOOLKIT: IDENTIFYING THE ELEMENTS OF DYNAMIC REPRESENTATIONAL COMPETENCE IN YOUNG LEARNERS Wilkerson-Jerde M., Maldonis J. CONSTRUCTION KITS FOR TEACHERS: IMPLICATIONS FOR DESIGN Anastopoulou S., Daskolia M. FRIENDS OF PAPERTIAN CONSTRUCTIONISM Stager G.					
13:00-14:00	Lunch	<u> </u>	<u> </u>	<u> </u>					
14:00-15:00		AE	:GEAN						
Poster / Demo Session									



	Posters will be displayed until the end of th	e Conference. Aut	hors will present their work during this Ses	ssion.			
	AEGEAN						
	ACTING LIKE A TURTLE: A NETLOGO KINECT EXTENSION Hjorth A., Wilensky U.	CLASSROOM	xis M., Gutierrez-Santos S., Poulovassilis A.	Lerner R. M., Levy S. T., Wilensky U.		DIALOGS WITH PROMETHEUS: INTELLIGENT SUPPORT FOR TEACHING MATHEMATICS Rojano T., Abreu J.L.	
	ROBOBUILDER: A PROGRAM-TO-PLAY CONSTRUCTIONIST VIDEO GAME Weintrop D., Wilensky U.	TEXTBOOKS	LOBES AND G.I.S. IN DIGITAL GEOGRAPHY atoniou A., Salonikidis I., Klonari A.	EVOLUTION IN BLO MODELS OF EVOL Wagh A., Wilensky	UTION USING BLOCKS	SUPERSONICMAN - AN INFORMATICS X PHYSICS PROJECT Benacka J.	
	AEGEAN						
15:00-16:30 Panel/debate	SEGREGATION FOR EVER? <u>Leader</u> : Blikstein P. <u>Panelists</u> : Eisenberg M., Sherin B., Kynigos C						
16:30-17:00	Coffee						
17.00 19.20	CORFU I		CORFU II			SYROS I	
17:00-18:30 Workshop Session	THE SNAP! PROGRAMMING LANGUAGE Harvey B. IMETATORA SYSTEM: LEARNING TO LEARN TOGETHER WIT DURING EXPLORATIONS WITH MICROWORLDS Viappouteou N. Moustaki E. Yappo M. Mayrikis M. Abdu P.				HEATRE: CONSTRUCTING KNOWLEDGE MS AND SCRATCH THROUGH ARTISTIC		
18:30	Acropolis Museum & Conference dinner						



	SATURDAY 25 AUGUST 2012					
	AEGEAN					
09:30-11:00	CHANGING THE SUBJECT					
Panel/debate	<u>Leader</u> : Wilkerson-Jerde M.					
	<u>Panelists</u> : Temple M., Noss R., Dahaney E.					
11:00-11:30	Coffee					
	AEGEAN					
11:30-13:00	CONSTRUCTIONISM AND POLICY					
Panel/debate	<u>Leader</u> : Valente J.					
	Panelists: Hoyles C., Stager G., Ackerman E.					
13:00-13:30	Conference Closing Ceremony					



	POSTERS
1.	SCIENCE SIMULATION DEVELOPMENT WITH SCRATCH Glezou K.
2.	USING MALT FOR RESTRUCTURING THE APPROACH OF CURVES IN SECONDARY EDUCATION Zantzos I.
3.	REPRESENTATIONS OF STUDENTS' EXPERIENCE OF THEIR LOCAL ENVIRONMENT IN THEIR CONSTRUCTIONS OF DIGITAL GAMES Deveraki M., Xenos M., Daskolia M.
4.	STUDENTS' COLLECTIVE CREATIVITY WHILE CO-CONSTRUCTING DIGITAL GAMES ON THE IDEA OF SUSTAINABLE CITY Tsouma E., Daskolia M.
5.	USE OF AN EXPLORATORY SOFTWARE FOR TEACHING AND LEARNING ABOUT ENVIRONMENTAL ISSUES Gounari N., Daskolia M., Kynigos C., Flogaitis E.
6.	SIMULATOR FOR LEARNING ROBOTICS TOPICS IN XBOX CONSOLES Ortiz - Moreno A., Pretelin - Ricardez A., Luviano - Juarez A.
7.	THE PROGRAM "EDUCATION FOR ROMA CHILDREN". DESCRIPTION OF ITS ACTIONS AND PERSPECTIVES OF FURTHER DEVELOPMENT Parthenis C., Tseliou E.
8.	MAPPING MODELLING-BASED LEARNING IN EARLY CHILDHOOD EDUCATION Papademetri-Kachrimani C., Louca L.
9.	MAPPING PROBLEM-SOLVING IN EARLY CHILDHOOD EDUCATION THROUGH PROBLEMS INVOLVING CONSTRUCTION Shiakalli M. A., Papademetri C., Zacharos K.
10.	COLLABORATIVE MEANING GENERATION PROCESSES WHILE INTERACTING WITH A 3D TURTLE GEOMETRY MICROWORLD Moustaki F., Economakou K., Diamantidis D., Kaitsoti A.
11.	ARTIFICIAL INTELIGENCE SUPPORTING COLLABORATIVE CONSTRUCTIONIST ACTIVITIES IN ENVIRONMENTAL EDUCATION Xenos M.
12.	PLAYING GAMES ON-LINE AND AT THE SCHOOLYARD FOR GENERATING MEANINGS ON SCIENCE Smyrnaiou Z., Tsigaridis K., Varypati E., Evripidou R., Xantzaras T., Dimas J., Tsoutsou E.
13.	USING THE "D-STAGE" KIT TO DEVELOP 2D SCIENCE MICROWORLDS Smyrnaiou Z., Moustaki F., Xenos M.
14.	SUPPORTING STUDENTS' CONSTRUCTION OF PROGRAMMING MENTAL MODELS WITH E-BOOKS: THE CASE OF COMPUTER SCIENCE E-BOOK Tsakonas P., Petsos A., Toukiloglou P., Saridaki A., Christopoulou E., Paliouras A., Jimoyiannis A.
15.	"NEIGHBORHOODS": ENGAGING STUDENTS INTO INQUIRING ABOUT THEIR LOCAL COMMUNITIES FROM A PLACE-BASED PERSPECTIVE Anastopoulou S., Daskolia M., Rozaki M.
16.	CONSTRUCTIVISM EMBEDDED IN THE DIGITAL ACTIVITIES OF THE E-BOOKS OF RELIGION FOR SECONDARY EDUCATION Mitropoulou V., Argyropoulos N., Vasiliou V., Gikas A. et al.
17.	SMART CITIES WORKSHOP Papanikolaou D.
18.	USING SOCIAL BOOKMARKING SYSTEM TO ENHANCE THE ENVIRONMENTAL AND GEOGRAPHICAL LEARNING OF SECONDARY STUDENTS. A PRE-STUDY REVIEW Exarchou E., Klonari A.
19.	A SENSPONSIVE APPROACH TO TECHNOLOGY-DRIVEN PLAYGROUNDS Liapi M., Oungrinis K.A., Voyatzaki M.