

# XIV. IOSTE Symposium Bled, Slovenia, June 13. - 18. 2010

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
8.00		Registration				
9.00	Arrival of participants	Opening	Keynote 2	Excursion	Keynote 3	Keynote 4
10.00		Keynote 1	Coffee/tea		Coffee/tea	Coffee/tea
11.00		Coffee/tea	Parallel session 4		Parallel session 7	Parallel session 10
12.00		Parallel session 1	Poster session	National S&T Education teachers' symposium	Poster session	
13.00		Lunch	Lunch		Lunch	IOSTE General Assembly
14.00						IOSTE Closing
15.00		Parallel session 2	Parallel session 5	Poster session	Parallel session 8	ROSE / IRIS workshop
16.00		Coffee/tea	Coffee/tea		Coffee/tea	
17.00	IOSTE Board Meeting	Parallel session 3	Parallel session 6		Parallel session 9	
18.00		Conference Board Meeting	IOSTE Board Meeting	Gala dinner	IOSTE Board Meeting	
19.00	Welcome reception					

Monday, June 14, 2010									
8.00 – 18.00	Registration and Help desk – Hotel Golf Lobby								
9.00 – 9.45	Opening ceremony – Jupiter								
9.45 – 11.00	Keynote – Lučka Kajfež Bogataj (Jupiter)								
11.00 – 11.30	Break – coffee & Tea at hotel Lobby								
Parallel session 1.1 – Diversity in Science and Technology Education - Chair: Are Turmo									
Monday 11.30 – 13.10  Jupiter 1	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	150	MO-1.1.001	1	Relationships between school science ...	Ángel	Vázquez-Alonso	Ángel	Vázquez-Alonso	SPA
	161	MO-1.1.002	2	International Collaborations through Young ...	Chihiro	Yamanaka	Chihiro	Yamanaka	JAP
	193	MO-1.1.003	3	The relationship between student leisure ...	Andreja	Špernjak	Andreja	Špernjak	SLO
	2	MO-1.1.004	4	The influence of teacher gender ...	Are	Turmo	Are	Turmo	NOR
Parallel session 1.2 – S&T Curriculum Issues - Chair: Elisabeth Settelaar									
Monday 11.30 – 13.10  Jupiter 2	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	283	MO-1.2.005	1	How Kindergarten children can use toys ...	Sara	Pereira	Sara	Pereira	POR
	222	MO-1.2.006	2	Supporting teachers, challenging ...	Elisabeth	Settelaar	Elisabeth	Settelaar	AUS
	157	MO-1.2.007	3	Science education: based on evidence ...	Henrik	Hallström	Henrik	Hallström	SWE
	176	MO-1.2.008	4	Individualized and Integrated Elementary ...	Sibel	Kaya	Sibel	Kaya	USA
Parallel session 1.3 – STE for Sustainable Development - Chair: Xavier Fazio									
Monday 11.30 – 13.10  Concordia	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	218	MO-1.3.009	1	Constructing physics education in ...	Oleg	Popov	Oleg	Popov	SWE
	362	MO-1.3.010	2	A systemic approach to sustainable ...	Chrysanthi	Kadji - Beltran	Chrysanthi	Kadji - Beltran	CYP
	462	MO-1.3.011	3	Human Resources Development for the Sustainability Education: ...	Makoto	Tamura	Makoto	Tamura	JAP
	118	MO-1.3.012	4	Examining a school-based ecological ...	Xavier	Fazio	Xavier	Fazio	CAN
Parallel session 1.4 – S&T Teacher Education - Chair: Martin Braund									
Monday 11.30 – 13.10  Libertas	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	130	MO-1.4.013	1	The CRAR3FS2 framework for developing ...	Andre	Du Plessis	Andre	Du Plessis	SAR
	137	MO-1.4.014	2	Are there different types of physic teachers?	Susanne	Engström	Susanne	Engström	SWE
	418	MO-1.4.015	3	Should the intellect, emotion and personal beliefs of Life Sciences ...	Angela	James	Angela	James	SAR
	185	MO-1.4.016	4	A pre-service curriculum in learning ...	Martin	Braund	Martin	Braund	USA
Parallel session 1.5 – Methodological and Interdisciplinary Issues in STE - Chair: Jose Claudio Reis									
Monday 11.30 – 13.10  Venera	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	107	MO-1.5.017	1	Pisa 2006 science main findings in Slovenia and Simpson's ...	Gašper	Cankar	Gašper	Cankar	SLO
	224	MO-1.5.018	2	A View of Management in an Informal ...	Shiho	Miyake	Shiho	Miyake	JAP
	252	MO-1.5.019	3	COSMOLOGY: Introducing themes on Modern ...	Jose Claudio	Reis	Andreia	Guerra	BRA
	547	MO-1.5.020	4	Primary School Children's Inquiry Abilities and Reasoning	Maria	Papageorgiou	Maria	Papageorgiou	CYP

13.10 – 14.20	Lunch – Hotel Golf restaurant
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**Lunch – Hotel Golf restaurant**

	Paper	Identifier	Seq.	Paper title	First author	Presenter	Country
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**Parallel session 2.2 – S&T Curriculum Issues - Chair: Edward Shaw**

	Paper	Identifier	Seq.	Paper title	First author	Presenter	Country
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Monday 14.20 – 16.00	ID				Name	Surname	Name	Surname	
	155	MO-2.2.025	1	Effect of cooperative learning ...	Özgecan	Taştan	Özgecan	Taştan	TUR
	341	MO-2.2.026	2	An analysis of student teachers' attempts ...	Michele	Stears	Michele	Stears	SAR
Jupiter 2	257	MO-2.2.027	3	USA Fourth Grade Students' Beliefs ...	Edward	Shaw	Edward	Shaw	USA
	238	MO-2.2.028	4	Inquiry and learning in science: a study ...	Annie-Maj	Johansson	Annie-Maj	Johansson	SWE

	Paper	Identifier	Seq.	Paper title	First author	Presenter	Country
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Monday 14.20 – 16.00	ID				Name	Surname	Name	Surname	
	243	MO-2.3.029	1	Primary school children's direct ...	Iztok	Tomažič	Iztok	Tomažič	SLO
	512	MO-2.3.030	2	Science for sustainability: contextualising problem based ...	Roger	Cutting	Roger	Cutting	UK
Concordia	370	MO-2.3.031	3	Project based learning and field study ...	Zaklin	Luksa	Zaklin	Luksa	CRO
	247	MO-2.3.032	4	Evaluating the impact of environmental ...	Jelle	Boeve-de Pauw	Jelle	Boeve-de Pauw	BEL

	Paper	Identifier	Seq.	Paper title	First author	Presenter	Country
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Monday 14.20 – 16.00	ID				Name	Surname	Name	Surname	
	151	MO-2.4.033	1	Latin-american project of evaluation ...	Maria Antonia	Manassero-Mas	Maria	Manassero-Mas	SPA
	603	MO-2.4.034	2	How to set a good example to pupils? Teachers' purpose ...	Gregor	Torkar	Gregor	Torkar	SLO
Libertas	372	MO-2.4.035	3	Student-teachers explaining acidification	Artemisia	Stoumpa	Artemisia	Stoumpa	GRE
	458	MO-2.4.036	4	Learning to connect different contexts: new perspectives ...	Tanja	Urbančič	Maja	Bračič Lotrič	SLO

	Paper	Identifier	Seq.	Paper title	First author	Presenter	Country
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Monday 14.20 – 16.00	ID				Name	Surname	Name	Surname	
	251	MO-2.5.037	1	Learning style preferences as predictor ...	Thomas	Young Tachie	Thomas	Young Tachie	GHA
	350	MO-2.5.038	2	Entertaining science summer school ...	Esma	Buluş Kirikkaya	Esma	Buluş Kirikkaya	TUR
Venera	166	MO-2.5.039	3	Science teaching methods and scientific literacy: what can we ...	Jan	Ardies	Jan	Ardies	BEL
	420	MO-2.5.040	4	ICT in science and technology teacher education	Mateja	Ploj Vrtič	Mateja	Ploj Vrtič	SLO



Tuesday, June 15, 2010									
8.00 – 18.00	Registration and Help desk – Hotel Golf Lobby								
9.00 – 10.00	Keynote – Peter J Fensham (Jupiter)								
10.00 – 10.30	Break – coffee & Tea at hotel Golf Lobby								
Parallel session 4.1 – Diversity in Science and Technology Education - Chair: Suan Yoong									
Tuesday 10.30 – 12.10  Jupiter 1	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	465	TU-4.1.061	1	The impact of using video technology ...	Vajiheh	Karimi	Mohammadreza	Behrangi	IRN
	543	TU-4.1.062	2	What hinder science teachers in secondary school from changing ...	Ingebjørg	Ellingsen	Ingebjørg	Ellingsen	NOR
	730	TU-4.1.063	3	The teaching of Science and Mathematics in English: A critical appraisal	Suan	Yoong	Lee Yuen Lew	Lew	MAL
	408	TU-4.1.064	4	Interactive teaching at an out-of-school learning ...	Barbara	Meissner	Barbara	Meissner	GER
Parallel session 4.2 – S&T Curriculum Issues - Chair: Debra Panizzon									
Tuesday 10.30 – 12.10  Jupiter 2	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	384	TU-4.2.065	1	Transforming secondary science education ...	Debra	Panizzon	Debra	Panizzon	AUS
	389	TU-4.2.066	2	A curriculum design framework ...	Etsuji	Yamaguchi	Etsuji	Yamaguchi	JAP
	444	TU-4.2.067	3	Transforming Mars into a new "Earth"? ...	Lena	Hansson	Lena	Hansson	SWE
	701	TU-4.2.068	4	Social and ethical issues in science at age 11 – 14: ...	Lynda	Dunlop	Linda	Clarke	UK
Parallel session – ESERA - Chair: Graça S. Carvalho									
Tuesday 10.30 – 12.10  Venera	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	E1	TU-4.3.069	1	Axes of values in health education: Identification, characterisation...	Graça	S. Carvalho	Graça	S. Carvalho	POR
	E2	TU-4.3.070	2	How do learners in developed and developing countries relate ...	Ricardo	Trumper	Ricardo	Trumper	ISR
	E3	TU-4.3.071	3	Thinking about science – the importance of intuitive ideas for ...	Arne	Dittmer	Kerstin	Oschatz	GER
	194	TU-4.3.072	4	Towards the definition of a teacher education program ...	Cecilia	Guerra	Cecilia	Guerra	POR
Parallel session 4.4 – S&T Teacher Education - Chair: Doris Elster									
Tuesday 10.30 – 12.10  Libertas	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	365	TU-4.4.073	1	The influence of parents, teachers, and celebrities in young people's ...	Jørgen	Sjaastad	Jørgen	Sjaastad	NOR
	404	TU-4.4.074	2	Integrating education for sustainability ...	Frances	Quinn	Frances	Quinn	AUS
	485	TU-4.4.075	3	Biology student teachers as targets and agents of change ...	Doris	Elster	Doris	Elster	GER
	812	TU-4.4.076	4	Development of pre-service science teachers' views ...	Fatih	Aydin	Fatih	Aydin	TUR
Parallel session 4.5 – Methodological and Interdisciplinary Issues in STE - Chair: Janez Vogrinc									
Tuesday 10.30 – 12.10  Concordia	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	440	TU-3.5.077	1	Ethical aspects in science education research	Janez	Vogrinc	Janez	Vogrinc	SLO
	533	TU-3.5.078	2	Working with socio-scientific issues – students' and teachers' ..	Margareta	Ekborg	Margareta	Ekborg	SWE
	767	TU-3.5.079	3	Biological evolution teaching research in a sociocultural perspective	Nelio	Bizzo	Nelio	Bizzo	BRA
	781	TU-3.5.080	4	The social objectives of education in views of jaspers and ...	Saeid	Zarghami	Saeid	Zarghami	IRN

Tuesday, June 15, 2010									
12.10 – 13.10	Poster session – Concordia								
13.10 – 14.20	Lunch – Hotel Golf restaurant								
Parallel session 5.1 – Diversity in Science and Technology Education - Chair: Svein Sjøberg									
Tuesday 14.20 – 16.00  Jupiter 1	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
	616	TU-5.1.081	1	The trouble of cultural values in science education: towards the ...	Alexandro	Escudero	Alexandro	Escudero	SPA
	591	TU-5.1.082	2	Secondary students' interest in science and technology ...	Anders	Jidesjö	Anders	Jidesjö	SWE
	782	TU-5.1.083	3	Attitude of some brazilian students towards biological evolution	Acácio	Pagan	Acácio	Pagan	BRA
	436	TU-5.1.084	4	Who's that girl? Why girls choose ...	Marianne	Løken	Marianne	Løken	NOR
Parallel session 5.2 – S&T Curriculum Issues - Chair: Graham Orpwood									
Tuesday 14.20 – 16.00  Jupiter 2	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
	414	TU-5.2.085	1	Assessment for learning in inquiry based science education: ...	Cristina	Carulla	Cristina	Carulla	DEN
	415	TU-5.2.086	2	Socio-cultural & human values, science & technology ...	Graham	Orpwood	Graham	Orpwood	CAN
	551	TU-5.2.087	3	Students' understanding of models in textbooks	Niklas	Gericke	Niklas	Gericke	SWE
	626	TU-5.2.088	4	The qualitative computer modelling using Modelab <sup>2</sup> : ...	Thieberson	Gomes	Thieberson	Gomes	BRA
Parallel session 5.3 – STE for Sustainable Development - Chair: Pierre Clément									
Tuesday 14.20 – 16.00  Concordia	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
	759	TU-5.3.089	1	Students' discussions about sustainable development – ...	Katarina	Ottander	Katarina	Ottander	SWE
	775	TU-5.3.090	2	Conceptions of environment in a continuing education ...	Mauricio	dos Santos Matos	Mauricio	dos Santos Matos	BRA
	423	TU-5.3.091	3	Human Resources Development for the Sustainability ...	Neil	Taylor	Neil	Taylor	AUS
	697	TU-5.3.092	4	Teachers' conceptions on environment and GMO in ...	Pierre	Clément	Pierre	Clément	FRA
Parallel session 5.4 – S&T Teacher Education - Chair: Natalija Komljanc									
Tuesday 14.20 – 16.00  Libertas	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
	526	TU-5.4.093	1	Promoting science teachers' ability to adopt usable ict tools in practice: ...	Jari	Lavonen	Jari	Lavonen	FIN
	422	TU-5.4.094	2	A case study on teacher learning ...	Ching	Lai	Ching	Lai	HOK
	495	TU-5.4.095	3	Curricular issue of formative assessment in slovene primary schools	Natalija	Komljanc	Natalija	Komljanc	SLO
	525	TU-5.4.096	4	A survey on turkish pre-service science teachers motivation ...	Güliz	Karaarslan	Güliz	Karaarslan	TUR
Parallel session 5.5 – Methodological and Interdisciplinary Issues in STE - Chair: Sandra van Aalderen-Smeets									
Tuesday 14.20 – 16.00  Venera	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
	618	TU-5.5.097	1	The group activity at physics classes: a socio-cultural – ...	Glauco	Silva	Glauco	Silva	BRA
	746	TU-5.5.098	2	Combination of real and virtual environment in early...	Martin	Bilek	Martin	Bilek	CZ
		TU-5.5.099							
	471	TU-5.5.100	4	Development of a questionnaire measuring	Sandra	van Aalderen-Smeets	Sandra	van Aalderen-Smeets	NED

Tuesday, June 15, 2010										
16.00 – 16.30		Break – coffee & Tea at hotel Lobby								
Parallel session 6.1 – Diversity in Science and Technology Education - Chair: Yau-Yuen Yeung										
Tuesday 16.30 – 18.10  Jupiter 1	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country	
	823	TU-6.1.101	1	Secondary Teachers' and Students' Approaches to ...	Name Tahir	Surname Atici	Name Tahir	Surname Atici	TUR	
	429	TU-6.1.102	2	Italian female and male students	Alessandra	Allegrini	Giuseppe	Pellegrini	ITA	
	565	TU-6.1.103	3	Factor analysis and rasch model analysis of the rose study ...	Yau-Yuen	Yeung	Yau-Yuen	Yeung	HOK	
	233	TU-6.1.104	4	Ghanaian urban and rural junior secondary school pupils' ...	Ishmael Kwesi	Anderson	Ishmael Kwesi	Anderson	GHA	
Parallel session 6.2 – S&T Curriculum Issues - Chair: John Oversby										
Tuesday 16.30 – 18.10  Jupiter 2	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country	
	453	TU-6.2.105	1	Visual arts and physics models in competition within ...	Karine	Bécu-Robinault	Karine	Bécu-Robinault	FRA	
	457	TU-6.2.106	2	Socio-educational aspects of applying ...	Vincentas	Lamanauskas	Vincentas	Lamanauskas	LIT	
	481	TU-6.2.107	3	Macroscopic phenomena and microscopic ...	Anna-Karin	Westman	Anna-Karin	Westman	SWE	
	393	TU-6.2.108	4	Accessing cultural heritage through ...	John	Oversby	John	Oversby	UK	
Parallel session 6.3 – STE for Sustainable Development - Chair: Franz Xavier Bogner										
Tuesday 16.30 – 18.10  Concordia	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country	
	763	TU-6.3.109	1	Determining elementary school science education ...	Hayriye Gul	Kuruyer	Hayriye Gul	Kuruyer	TUR	
	760	TU-6.3.110	2	Changing long-term adolescents' environmental perception ...	Franz Xavier	Bogner	Franz Xavier	Bogner	GER	
	489	TU-6.3.111	3	3R, that is reduce, reuse, recycle	Elzbieta	Szostak	Elzbieta	Szostak	POL	
	235	TU-6.3.112	4	The use of woodlands and green ...	Inger	Hilmo	Kari	Holter	NOR	
Parallel session 6.4 – S&T Teacher Education - Chair: Stephen Keast										
Tuesday 16.30 – 18.10  Libertas	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country	
	426	TU-6.4.113	1	Determining the concept images ...	Sebnem Kandil	Ingec	Riza	Salar	TUR	
	427	TU-6.4.114	2	Need for novice science teachers' ...	Birgitte	Lund Nielsen	Birgitte	Lund Nielsen	DEN	
	450	TU-6.4.115	3	Teaching science and technology at primary school level: ...	Juliette Walma	Van der Molen	Juliette	Van der Molen	NED	
	528	TU-6.4.116	4	Slowmation: helping preservice teachers develop ...	Stephen	Keast	Stephen	Keast	AUS	
Parallel session 6.5 – Methodological and Interdisciplinary Issues in STE - Chair: James Mackay										
Tuesday 16.30 – 18.10  Venera	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country	
	751	TU-6.5.117	1	The effect of gender and context in using wiring diagrams ...	James	Mackay	James	Mackay	SAR	
	817	TU-6.5.118	2	Testing the test: What science is in the brazilian high school ..	Everaldo	dos Santos	Christiane	Gioppo	BRA	
	579	TU-6.5.119	3	Formal nutrition education and nutrition knowledge of the ...	Stojan	Kostanjevec	Stojan	Kostanjevec	SLO	
	472	TU-6.5.120	4	Teaching radioactivity with the aid ...	Daniel	Bonotto	Daniel	Bonotto	BRA	
18.30 – 20.00		IOSTE Board meeting								
Libertas										

Wednesday, June 16, 2010			
8.00 – 18.00	Cultural program – Departure outside hotel Golf entrance		
9.00 – 17.00	National S&T education conference		
20.00 – 23.00	Gala dinner – hotel Toplice restaurant		
Wednesday, June 16, 2010			
National science and technology teachers' symposium			
8.00 – 9.00	Registration and Help desk – Hotel Golf Lobby		
9.00 – 9.30	Opening speeches: <ul style="list-style-type: none"><li>- Gregor Mohorčič (The National Education Institute of Slovenia)</li><li>- Slavko Dolinšek (The Institute for Innovation and Development of the University of Ljubljana)</li></ul>		
9.30 – 10.15	1. Keynote: Svein Sjøberg (University of Oslo, Norway): »How do students perceive science and technology?«		
10.15 – 11.00	2. Keynote: Janez Bešter (University of Ljubljana, Faculty of Electrical Engineering): »Trends in ICT and Multimedia based Education«		
11.00 – 11.30	Break – Coffee & Tea at hotel Golf Lobby		
Section 1 – Physics & Technology Education - Chair: Jurij Bajc			
11.30 – 13.00	No.	Paper title	Authors
	3	Reading literacy, physics, and national assessment of knowledge	Jurij Bajc
	4	Density and gifts in physics lesson	Dužanka Colnar
	5	The role of the physics development group in renewal of secondary school physics education	Samo Božič
	6	How to make technology interesting to pupils?	Ivan Dovič
	7	Project work as a good strategy for working with gifted scholars in engineering and technology?	Janez Vrtič
Section 2 – Science & Interdisciplinay Education - Chair: Andrej Šorgo			
11.30 – 13.00	No.	Paper title	Authors
	8	Cross-curricular connections in science: desired goal or redundant category in syllabi	Andrej Šorgo
	9	Vocational guidance and wishes of primary school learners regarding natural science learning	Drago Skurjeni, Slavko Dolinšek
	10	Energy through days of activities	Alma Gregorič
	11	The design of interdisciplinary laboratory exercises on chemistry and biology...	Branka Klemenčič, Valentina Mavrič Klenovšek
	12	Project days in the Upper Idrija regional park	Romana Kokošar
13.00 – 14.00	Poster session		
14.00 – 15.00	Lunch		
Section 3 – Chemistry Education- Chair: Margareta Vrtačnik			
15.00 – 16.30	No.	Paper title	Authors
	13	How can we evoke interest of students in science and their better academic achievements?	Margareta Vrtačnik), Vesna Ferk Savec, Saša A. Glazar
	14	Evaluation of the influence of various methods of experimental work on quality and durability of ch. knowledge	Ana Logar, Vesna Ferk Savec
	15	Updating chemistry teaching in the academic track of secondary school	Anita Poberžnik, Nadja Malovrh
	16	Cooperative project work in chemistry classes at secondary school level	Darja Kravanja
	17	European project transfer of inovation "hands-on approach to analytical chemistry for vocatiobal schools"	Nataša Gros, Margareta Vrtačnik
Section 4 – Biology Education- Chair: Barbara Bajd			
15.00 – 16.30	No.	Paper title	Authors
	18	Classifying fruits and understanding natural diversity	Barbara Bajd
	19	Assesment of gene technology acceptability among secondary school students	Helena Čme Hladnik, Cirila Peklaj, Katarina Košmelj, Aleš Hladnik, Branka Javornik
	20	Keytonature project and use of interactive identification tools at class of natural science and of biology in Slovenia	Irena Kodele Krašna
	21	Teaching genetics with multimedia results in better acquisition of knowledge and improvement in comprehension	Petra Starbek, Marjanca Starčič Erjavec, Cirila Peklaj
	22	Effect of cooperative learning in biology class	Lucija Lah
16.30 – 17.00	Summary and information for media		
17.00	Closing		



Thursday, June 17, 2010									
8.00 – 18.00	Registration and Help desk – Hotel Golf Lobby								
9.00 – 10.00	Keynote – Dana L. Zeidler (Jupiter)								
10.00 – 10.30	Break – coffee & Tea at hotel Golf Lobby								
Parallel session 7.1 – Diversity in Science and Technology Education - Chair: Malin Ideland									
Thursday 10.30 – 12.10  Jupiter 1	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	445	TH-7.1.121	1	Negotiating lifestyles? How primary school students ...	Malin	Ideland	Malin	Ideland	SWE
	413	TH-7.1.122	2	Gender differences in australian students' relationships ...	Frances	Quinn	Frances	Quinn	AUS
	718	TH-7.1.123	3	Emerging Science Identities in a Mentorship Program	Lars Brian	Krogh	Hanne	Møller Andersen	DEN
	124	TH-7.1.124	4	Virtual courseware in high school ...	Mustafa	Çakır	Mustafa	Çakır	TUR
Parallel session 7.2 – S&T Curriculum Issues - Chair: Andreas Chiras									
Thursday 10.30 – 12.10  Jupiter 2	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	459	TH-7.2.125	1	Distributed cognition: scientific investigations of primary school ...	Andreas	Chiras	Andreas	Chiras	CYP
	505	TH-7.2.126	2	"Kitchen stories" - assertions about food and cooking as a ...	Erik	Fooladi	Erik	Fooladi	NOR
	567	TH-7.2.127	3	A Taxonomy of Inquiry Activities	Daniel	Meyer	Daniel	Meyer	USA
	248	TH-7.2.128	4	Is technology an attractive school subject? ...	Ylva	Bjelksäter	Ylva	Bjelksäter	SWE
Parallel session 7.4 – S&T Teacher Education - Chair: Luciana Massi									
Thursday 10.30 – 12.10  Libertas	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	431	TH-7.4.129	1	Understanding teacher practice ...	Peer	Daugbjerg	Peer	Daugbjerg	DEN
	441	TH-7.4.130	2	Assessing preservice science teachers' nature ...	Halil	Turgut	Halil	Turgut	TUR
	503	TH-7.4.131	3	The profile of freshmans at a teacher preparatory course in chemistry ...	Luciana	Massi	Luciana	Massi	BRA
	629	TH-7.4.132	4	The elementary science teachers' use of measurement and ...	Ela	Ayşe Köksal	Ela	Ayşe Köksal	TUR
Parallel session 7.5 – Methodological and Interdisciplinary Issues in STE - Chair: Bill MacIntyre									
Thursday 10.30 – 12.10  Venera	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	401	TH-7.5.133	1	Engaging secondary school learners ...	Bill	MacIntyre	Bill	MacIntyre	NZE
	733	TH-7.5.134	2	Participatory research in education for sustainable development	Lena	Persson	Lena	Persson	SWE
	380	TH-7.5.135	3	The uses and roles of Science in Socio-scientific ...	Jan Alexis	Nielsen	Jan Alexis	Nielsen	DAN
	822	TH-7.5.136	4	Science education in context of requirements of current society	Vera	Cizkova	Hana	Ctrnactova	CZ

Thursday, June 17, 2010									
12.10 – 13.10	Poster session – Concordia								
13.10 – 14.20	Lunch – Hotel Golf restaurant								
Parallel session 8.1 – Diversity in Science and Technology Education - Chair: Ahmet Kurnaz									
Thursday 14.20 – 16.00  Jupiter 1	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
	784	TH-8.1.137	1	Increasing Access to Higher Education: Multicultural ...	Irit	Sasson	Irit	Sasson	ISR
	4	TH-8.1.138	2	The effects of the problem based learning ...	Derya	Çinar	Sule	Bayraktar	TUR
	574	TH-8.1.139	3	Analyses of universal socio-cultural and humanistic values ...	Ahmet	Kurnaz	Emrah Emre	Ozkeskin	TUR
	354	TH-8.1.140	4	The complex dynamic of the learning activity	André	Rodrigues	Cristiano	Mattos	BRA
Parallel session 8.2 – S&T Curriculum Issues - Chair: Mojca Čepič									
Thursday 14.20 – 16.00  Jupiter 2	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
	519	TH-8.2.141	1	Physics and nature – a new course for the first year students of physics ...	Mojca	Čepič	Mojca	Čepič	SLO
	198	TH-8.2.142	2	Can new approaches in science and technology education ...	Mohammadreza	Behrangi	Mohammadreza	Behrangi	IRN
	568	TH-8.2.143	3	Use of measurement and assessment in turkish sixth grade...	Tuncay	Tunç	Tuncay	Tunç	TUR
	382	TH-8.2.144	4	Teaching the genetics of complex traits	Michael	Dougherty	Michael	Dougherty	USA
Parallel session 8.2 – S&T Curriculum Issues - Chair: Moyra Keane									
Thursday 14.20 – 16.00  Concordia	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
		TH-8.2.145	1						
	708	TH-8.2.146	2	The CITIES Comenius Project – Chemistry and Industry ...	Raymond	Wallace	Raymond	Wallace	UK
	527	TH-8.2.147	3	Understanding of DC-circuit phenomena in different ages	Veera	Kallunki	Veera	Kallunki	FIN
	339	TH-8.2.148	4	Indigenous Knowledge Systems: process vs product	Moyra	Keane	Moyra	Keane	SAR
Parallel session 8.4 – S&T Teacher Education - Chair: Hae-Ae Seo									
Thursday 14.20 – 16.00  Libertas	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
	572	TH-8.4.149	1	Assessing pre-service science and mathematics teachers ...	Elif Selcan	Kutucu	Elif Selcan	Kutucu	TUR
	592	TH-8.4.150	2	A study of the effect of applying a spiral learning as a teaching ...	Fahimeh	Veladat	Fahimeh	Veladat	IRN
	531	TH-8.4.151	3	A teaching unit on liquid crystals	Saša	Ziherl	Saša	Ziherl	SLO
	631	TH-8.4.152	4	Relationship between Understanding of creativity and ...	Hae-Ae	Seo	Hae-Ae	Seo	KOR

16.00 – 16.30	Break – coffee & Tea at hotel Lobby
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	Paper	Identifier	Seq.	Paper title	First author	Presenter	Country
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**Parallel session 9.2 – S&T Curriculum Issues - Chair: Jurij Bajc**

Thursday 16.30	ID				Name	Surname	Name	Surname	
	<u>U</u>								

**Parallel session 9.4 – S&T Teacher Education – Chair: Barbara Bajd**

Thursday 16.30	ID				Name	Surname	Name	Surname	
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**Parallel session 9.4 – S&T Teacher Education - Chair: Mondher Abrougui**

Thursday 16.30	ID				Name	Surname	Name	Surname	
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	Conference Board meeting
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## Conference Board meeting

<b>Friday, June 18, 2010</b>									
8.00 – 18.00	<b>Registration and Help desk – Hotel Golf Lobby</b>								
9.00 – 10.00	Keynote – Ellen Karoline Henriksen (Jupiter)								
10.00 – 10.30	<b>Break – coffee &amp; Tea at hotel Golf Lobby</b>								
<b>Parallel session 10.2 – S&amp;T Curriculum Issues - Chair: Alenka Mozer</b>									
Friday 10.30 – 12.10  Jupiter	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	500	TH-9.4.169	1	What is going on in the norwegian science classroom?	Wenche	Sørmo	Johannes	Tveita	NOR
	765	TH-9.4.170	2	Gimnazija Vič students' science projects in cooperation with ...	Alenka	Mozer	Alenka	Mozer	SLO
	815	TH-9.4.171	3	Development and application of learning materials for scientific creativity ...	Jongwon	Park	Jongwon	Park	KOR
	344	TH-9.4.172	4	Ecocentric emphasis in environmental ...	Rosa Branca	Tracana	Rosa Branca	Tracana	POR
<b>Parallel session 10.2 – S&amp;T Curriculum Issues - Chair: Susan Rodrigues</b>									
Friday 10.30 – 12.10  Concordia	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	821	FR-10.2.173	1	The Impact of Hands-on Activities in 6th Grade "Electricity in Our Lives" ...	Nurcan	Aydin	Beril	Akin	TUR
	855	FR-10.2.174	2	How to make technology interesting to pupils?	Ivan	Dović	Ivan	Dović	SLO
	693	FR-10.2.175	3	A South African perspective for improving learners' ...	Mary Grace	Villanueva	Mary Grace	Villanueva	SAR
	727	FR-10.2.176	4	Patterns in pupil behaviour when using chemistry ...	Susan	Rodrigues	Susan	Rodrigues	UK
<b>Parallel session 10.4 – S&amp;T Teacher Education - Chair: Boris Horvat</b>									
Friday 10.30 – 12.10  Libertas	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	540	FR-10.2.177	1	Science teachers' conceptions of distance education: ...	Paulo	Garcia	Paulo	Garcia	BRA
	583	FR-10.2.178	2	Learning science with advanced learning blocks	Boris	Horvat	Boris	Horvat	SLO
	617	FR-10.2.179	3	A sociology of science for science teacher education: ...	Diana	Fariás-Camero	Diana	Fariás-Camero	COL
	499	FR-10.2.180	4	What do pre-service teachers think about visualizations	Celeste	Ferreira	Aginaldo	Arroio	BRA
<b>Parallel session 10.4 – S&amp;T Teacher Education - Chair: Martin Sillasen</b>									
Friday 10.30 – 12.10  Venera	Paper ID	Identifier	Seq.	Paper title	First author		Presenter		Country
					Name	Surname	Name	Surname	
	559	FR-10.4.181	1	S&t in physics teachers' formation – what is missing?	Anne L.	Scarinci	Anne L.	Scarinci	BRA
	570	FR-10.4.182	2	Exploring the effects of developing collaboration in a primary ...	Martin	Sillasen	Martin	Sillasen	DEN
	621	FR-10.4.183	3	Bridging the gap: the role of experiences in informal educational ...	Bruno	Monteiro	Isabel	Martins	BRA
	517	FR-10.4.184	4	Understanding of the concepts of osmosis and diffusion by ...	Tatjana	Vidic	Tatjana	Vidic	SLO
12.30 – 13.00	<b>IOSTE General Assembly– Jupiter</b>								
13.00 – 13.30	<b>Closing – Jupiter</b>								
14.30 – 18.00	<b>ROSE/IRIS workshop</b>								

June 15 and June 17, 2010		Poster session		
12.00 – 13.00		Hotel Golf – Concordia		
<i>paper ID</i>	<i>Idf.</i>	<i>1. First author</i>	<i>Title</i>	<i>Country</i>
128	P1	Washirasorn Saengsuwan	The Incorporation of Ethics ...	THA
172	P2	Wen-Tung Hung	A Study of Young Children's Cognition of Space	TAI
174	P3	Anni Loukomies	Enhancing students' motivation and interest ...	FIN
200	P4	Barbara Kummer	Influence of three forms of instruction ...	GER
250	P5	Håkan Ahlborn	Why choose a technical career?	SWE
253	P6	Andreia Guerra	Literature in physics: a possible approach to science education?	BRA
268	P7	Angelika Wolf	Self-determination, motivation and conceptual change ...	GER
300	P8	Jean Mollett	Sociocultural and human values in biotechnology ...	SAR
309	P9	Nazila Karimi	Experiencing learning supervision science ...	IRN
332	P11	Shu-Min Chen	Prospective early childhood teachers' views ...	TAI
359	P13	Marco Braga	Physics and art: an interdisciplinary approach in elementary school	BRA
434	P15	Katarina Susman	Concepts of density and buoyancy ...	SLO
447	P16	Clas Olander	Developing strategies for promoting scientific ...	SWE
448	P17	Nina Hammarberg	Teacher assessments in science ...	SWE
452	P18	Helen Hasslöf	Subject meets Subject	SWE
477	P19	Hae-Ae Seo	A framework for science teacher ...	KOR
486	P21	Leila Safaeifakhri	Learning socio-cultural & human values considring knowledge ...	IRN
487	P22	Elena Aionicesei	Future enginners and sustainable development	SLO
488	P23	Anna Florek	Promoting pupils' interest in science	POL
513	P27	Zahra Niknam	A theoretical framework based on a constructivistic realism ...	IRN
537	P28	Yueh-Suey Shiao	Paiwan young children's ideas about shadows	TAI
521	P29	Aleksander Janeš	Management of technology: are teachers supporting sustainable development ...	SLO
541	P30	Paulo Garcia	Study on innovation as strategy for science teachers' continuing ...	BRA
542	P31	Ann Cameron	Reaching for the stars: improving epistemological access ...	SAR
573	P32	Sinem UNER	The cognitive level of the questions in the secondary chemistry ...	TUR
577	P33	Katarzyna Potyrala	Information and communication competence of biology ...	POL
590	P34	Fatemeh Talebzadeh	Accomodating model of partners in learning to increase ...	IRN
594	P35	Kristoffer Vikebak	The presentation of stem-scientists in norwegian newspapers	NOR
610	P36	Carola Hernandez	Problem Based Learning (PBL) from the perspective of ...	DEN
707	P37	Ahmed Wadee	Targetting talent and investing in the excellence of South African ...	SAR
717	P38	Ivo Verovnik	Interdisciplinary educational approach to the science of human voice	SLO
756	P39	Marjan Zadnik	Measuring the effectiveness of specialist science enrichment programs	AUS
766	P40	Andrej Sorgo	Framing digital competence for science teaching	SLO
791	P41	Firouzeh Kamal	Socio-cultural and human values in teaching & leadership	IRN

849	P42	Špela Stres	Innovative practices in science education - are they transferrable?	SLO
871	P43	Nataša Gros	Bridging the gap in lack of professional instrumentation – small-scale ...	SLO
456	P45	Franco Pirrami	Smoking during pregnancy: student's justifications ...	ITA
483	P46	Melek Nur Erdogan	Analysis of high school science curriculum frameworks ...	TUR
593	P47	Birgül Çakır	Usage of metacognitive prompts in a science ...	TUR
805	P48	Bulent Cavas	What I want to learn about physics topics...	TUR
851	P49	Ioannis Starakis	Why is it hotter in summer than in winter? ...	GRE
872	P50	Peter Raspor	Questionnaire as a tool for educational ...	SLO
212		Raja Gošnjak Dahmane	Problem-based learning in medicine	SLO

June 16, 2010		National Poster session	
13.00 – 14.00			
<i>I</i>	<i>paper ID</i>	<i>Authors</i>	<i>Title</i>
	23	Klavdija Breclj	Measurement
	24	Marija Cehner	Physics is more interesting if it is related to technology
	25	Matej Forjan, Matej Rožič, Ivica Tomič	Development project energy as a value
	26	Ivan Klenovšek	Project learning – making of a go-cart
	27	Igor Petrovčič	Teaching technical subjects with the support of virtual classrooms
	28	Ivan Pišek	Technical creativity in the form of project work within the curriculum of the technical day...
	29	Nataša Ravnikar	Popularisation and increasing of interest in physics in past years at Celje First grammar school
	30	Marko Žigart	Peer instruction in introductory physics course in Slovenian secondary school
	31	Mojca Milone, Barbara Vetrh Bolčina	Innovation in teaching technic and technologies
	32	Karmen Vidmar	Encouraging youth for natural sciences and technics
	33	Darja Rijavec	Encouraging technical creativity in the first class
	34	Mariza Skvarč, Andreja Bačnik	Science instruction in elementary school
	35	Karmen Debenjak	Cross-curricular connection of mathematics, design and technology, science, and art and design
	36	Nataša Glodež	Teaching science in English
	37	Stana Kovač Hec	The plant protection products by the method of project cooperative work
	38	Bojana Zavolovšek	The canyon of Kokra: from idea to product
	39	Vida Jaušovec	Making floating candles
	40	Asja Štucin	The water cycle
	41	Tanja Bervar, Danica Mati Djuraki	Observe, cooperate, describe
	42	Andreja Bačnik, Mariza Skvarč	Chemistry achievements of Slovenian students in international studies
	43	Mojca Alif	Possibilities of authentic learning of chemistry (and other natural sciences) at a high school
	44	Marinka Šipeč	Learning about the characteristics of halogens
	45	Matejka Čeme	Does the model assembly at chemistry lessons contribute significantly to understanding...
	46	Zvonka Kladnik	Lifelong learner and chemistry

	47	Jasmina Kolbl	Didactic games in chemistry lessons
	48	Karmen Krašna Otrin	Usage of electronic literature and informational communicative technology(ict) at chemistry classes
	49	Petra Vrtačnik Žveplan	Feeling great in your own skin
	50	Sabina Lepen Narić	A systematic approach toclass biology teachers to cope with stress at school
	51	Andreja Božič, Andreja Marzi	You can donate to a cleaner air?
	52	Romana Turk	Project of protecting the frogs in Podljubelj
	53	Marija Jakelj	Light pollution
	54	Alenka Kastelic	With the project learning work to ecological awerness of pupils
	55	Leonida Gregorič	To promote environmental responsibility
	56	Irena Kresevič	An example of empirical learning in recognizing the carausius morosus