

## 7th International Conference on History of Science and Science Education-Workshop of Experts

### CONFERENCE PROGRAM

Monday	7/7/2008	
18:30-19:15	<b>Opening Session</b>	
19:15-20:00	Panagiotis Kokkotas, Emeritus Professor, National and Kapodistrian University of Athens	The contribution of Greek scientists to the development of contemporary science: The case of Constantine Caratheodory
20:00-20:45	Michael Matthews, School of Education at the University of New South Wales	Teaching the Philosophical and Worldview Components of Science
20:45	<b>Dinner</b>	
Tuesday	8/7/2008	
<b>Pannel of the session:</b>	<b>Arthur Stinner, Kostas Gavroglou, Agustin Aduriz Bravo</b>	
09:00-09:45	William McComas, University of Arkansas, U.S.A.	Should the History of Science be the Future of Science Education?
09:45-10:30	Kostas Gavroglou, National and Kapodistrian University of Athens	The teaching of the physical sciences /versus/ the teaching of history of science: an impossible coexistence
10:30-11:15	Stathis Psillos, National and Kapodistrian University of Athens	Is the history of science the wasteland of false theories?
<b>11:15-11:45</b>	<b>Coffee Break</b>	
<b>Pannel of the session:</b>	<b>William McComas, Peter Heering</b>	
11:45-12:30	Elizabeth Cavicchi, Edgerton Center, Massachusetts Institute of Technology, U.S.A.	Classroom Explorations with Pendulums, Mirrors, and Galileo's Drama
12:30-13:15	Peter Heering, Institute of Physics, Carl-von-Ossietzky Universitaet Oldenburg, Germany - Stephen Klassen, University of Winnipeg, Canada	Troublesome droplets: Evaluating students' experiences with the Millikan oil drop experiment
13:15-14:00	Cibelle Celestino Silva, Institute of Physics of Sao Carlos, University of Sao Paulo, Brazil	Which HPS do/should textbooks refer to? The historical debate on the nature of electrical fluids
<b>14:00-16:00</b>	<b>Break</b>	
<b>Pannel of the session:</b>	<b>Cibelle Celestino Silva, Ian Winchester, Dimitris Koliopoulos</b>	
16:00-16:45	Ian Winchester, Professor, University of Calgary, Canada	The relevance of Collingwood's "The Idea of Nature" for contemporary history of science in relation to science education
16:45-17:30	Juraj Sebesta, Department of Theoretical Physics at Comenius University in Bratislava	History and philosophy of physics in physics education: case study of Slovakia
<b>17:30-17:45</b>	<b>Coffee Break</b>	

<b>Pannel of the session:</b>	<b>Juraj Sebesta, Antoni Roca Rossel</b>	
17:45-18:30	Antoni Roca Rossel, Polytechnical University of Catalonia, Barcelona, Spain	Integration of science education and history of science: The Catalan Experience
18:30-19:15	Ricardo Lopes Coelho and Ricardo Guardado, Faculty of Sciences of the University of Lisbon	On the Concept of Energy: How Understanding its History can Improve Physics Teaching
<b>Wednesday</b>	<b>9/7/2008</b>	
<b>Pannel of the session:</b>	<b>Panagiotis Kokkotas, Michael Matthews, Aristides Baltas</b>	
09:00-09:45	Dimosthenis Assimakopoulos, Professor, Vice Rector, National and Kapodistrian University of Athens	Historic Review on the Atmospheric Environment and Climate Change Issues
09:45-10:30	Aristides Baltas, National Technical University of Athens	Science Education and the Grammar of Scientific Change
10:30-11:15	Gabor Zemplen, Budapest University of Technology and Economics Department of Philosophy and History of Science	History of science and argumentation in science education: joining forces?
<b>11:15-11:45</b>	<b>Coffee Break</b>	
<b>Pannel of the session:</b>	<b>Fabio Bevilacqua, Elizabeth Cavicchi, Gabor Zemplen</b>	
11:45-12:30	Fabio Bevilacqua, Pavia University	History of Science and the digital revolution: the challenge of participatory media
12:30-13:15	Xenophon Moussas, Associate Professor in Space Physics, Astrophysics Laboratory, National and Kapodistrian University of Athens	The Antikythera Mechanism: The oldest astronomical instrument and computer
13:15-14:00	Muriel Guedj, Montpellier University	History of science and technology in the French system for teacher training: about a recent initiative
<b>14:00-16:00</b>	<b>Break</b>	
<b>Pannel of the session:</b>	<b>Brigitte Van Tiggelen, Muriel Guedj</b>	
16:00-16:45	Brigitte Van Tiggelen, Universite catholique de Louvain, Louvain-la-neuve, and Memosciences asbl, Belgium	Gases: a nebulous concept. Can historical accounts help?
16:45-17:30	Dimitris Koliopoulos, Assistant Professor, University of Patras	The problem of measuring time with the help of the simple pendulum: The use of texts from the history of physics as tools for the investigation of pupils' conceptions
<b>Thursday 10/7/2008</b>	<b>Visit to sightseeings</b>	

Friday	11/7/2008	
<b>Pannel of the session:</b>	<b>Stephen Klassen, Xenophon Moussas, Fanny Seroglou</b>	
09:00-09:45	Arthur Stinner, Professor of Science Education, Faculty of Education University of Manitoba, Canada	Using selected Nobel lectures in physics to teach the history of early modern physics to future physics teachers
09:45-10:30	Agustin Aduriz Bravo, Assistant Professor, CEFIEC, Universidad de Buenos Aires, Ciudad Autonoma de Buenos Aires, Argentina	Use of the history of science in the design of research-informed NOS materials for teacher education
10:30-11:15	Fanny Seroglou, Lecturer, School of Primary Education, Faculty Of Education, Aristotle University of Thessaloniki	History of science and culture in science teaching: From the Manhattan project to the space race
11:15-12:00	Dietmar Hottecke, Institute for Science Education, Dep. of Physics, University of Bremen & Falk Riess, Institute of Physics, Carl-von-Ossietzky Universitaet, Germany	Developing the Culture of School Science Practice – A European Approach for the Inclusion of History and Philosophy in School Science Teaching
<b>12:00-12:30</b>	<b>Coffee Break</b>	
12:30-13:30	Symposium for STeT Project: Kokkotas Panagiotis, Bevilacqua Fabio, Heering Peter, Seroglou Fanny The project is funded by the EU	
<b>13:30-14:00</b>	<b>Closing remarks</b>	