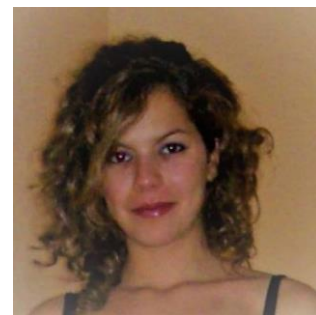


9/1/2017

# Tsivitanidou Olia

## Curriculum Vitae



(Curriculum Vitae)  
Last Update: September, 2017

Department of Education  
University of Cyprus  
1 University Ave., P.O. Box 20537,  
1678 Nicosia, Cyprus  
Learning in Science Group

Mob: +357-99-728297  
Tel: +357-22-894347  
Email: [tsivitanidou.olia@ucy.ac.cy](mailto:tsivitanidou.olia@ucy.ac.cy)

#### RESEARCH INTERESTS

Formative assessment; (Web-based) peer-assessment procedures in (computer-supported) science learning environments with the aim of identifying their possible effects on students' learning; Science Communication; Inquiry-based Science Education.

#### EDUCATION

**Bachelor degree** in Physics  
University of Cyprus,  
Department of Physics, Cyprus.

January  
2016- present

**PhD** in Science Education  
University of Cyprus,  
Department of Education, Cyprus

2010 – 2014

Thesis: "Investigating student teachers' profiles assessors and assessees in the context of reciprocal web-based formative peer-assessment, in a learning environment on ecosystems"

2008 – 2010

**Master of Education** in Science Education  
University of Cyprus,  
Department of Education, Cyprus

Thesis: "Implementation of peer-assessment of digital artifacts, through the use of students' web-portfolios in a science course in secondary education".

2004 – 2008

**Bachelor degree** in Elementary School Teaching  
University of Cyprus,  
Department of Education, Cyprus.

<b>Erasmus student</b> during the <b>bachelor degree</b> in Elementary School Teaching, Department of Education, National and Kapodistrian University of Athens, Greece	<b>Sept –June 2006</b>
<b>Lyceum Ethnomartira Kiprianou Strovolos, Nicosia</b> Main Subjects: Physics, Chemistry, Mathematics, Arts and Design <b>Grade:</b> 19 and 11/12	<b>June 2004</b>

## WORKING EXPERIENCE

Post-doctoral Researcher at the <b>University of Cyprus</b> , Learning in Science Group, Department of Educational Sciences.	<b>September 2015- present</b>
Lecturing under-graduate teacher students at the Department of Education at the University of Cyprus. Course: EDU178: <i>Science, Technology, Society and Education</i> .	
Visiting researcher at the <b>University of Kiel</b> , Leibniz Institute for Science and Mathematics Education (IPN), Kiel, Germany.	<b>19 June- 19 July 2016</b>
Research associate at the <b>University of Applied Sciences and Arts Northwestern Switzerland FHNW</b> , Centre for Science & Technology Education, School of Teacher Education.	<b>July 2014- June 2015</b>
Research cooperator in the research project <i>Assess Inquiry in Science, Technology and Mathematics Education</i> (ASSIST-ME), which is financed under the European Union's Seventh Framework Programme for Research and Development (grant agreement no: 321428).	<b>July 2014- June 2015</b>
Research cooperator in the research project « <i>Checks und Aufgabensammlung</i> », which is conducted under the leadership of the Institut für Bildungsevaluation-Universität Zürich.	<b>July 2014- June 2015</b>
Teaching Science in the <b>GC School of Careers</b> , Nicosia, Cyprus across all elementary grades	<b>2013- 2014</b>
Researcher and Teaching Assistant in the Learning in Science Group (LSG), Educational Sciences Department, University of Cyprus	<b>2008- 2013</b>
Research cooperator in the research project <i>Science Created by You</i> (SCY), which is funded by the European Community under the Information and Communication Technologies (ICT) theme of the 7th Framework Programme for R&D (Grant agreement no.: 212814).	<b>2008- 2012</b>
Involvement in a case study under the cooperation of the Pedagogical Institute, the Cardet Research Group of the University of Nicosia and the Learning Research Group in Natural and Environmental Sciences of the University of Cyprus, October-December 2008, on the integration of ICT in Education.	<b>October- December 2008</b>

Teaching science and being part of the organizing team in the Science Summer School at the University of Cyprus for secondary education students, organized by the Learning Research Group in Natural and Environmental Sciences of the University of Cyprus, the Association of Physics Teachers, the Union of Cypriots Physicists, and the Teachers Union users of Information Technology, during the summer months of June-July for the academic years 2008-2012.

**Summer months of June-July for the academic years 2008-2012**

## **PARTICIPATION IN GRANT PROPOSALS**

**WORK PROGRAMME TOPIC:** H2020-WIDESPREAD-2016-2017: Spreading Excellence and Widening Participation

**Type of Action:** Coordination and Support Action (CSA)

**Topic Identifier:** WIDESPREAD-04-2017

**Topic:** TEAMING Phase 1

**TITLE OF PROPOSAL:** Center for STEAM Education Research, Science Communication and Innovation

**PROPOSAL ACRONYM:** CSRC

**STATUS:** Submitted 15/11/2016 12:46:44; **FUNDING RECEIVED**

**Grant Agreement number:** 763594 — CSRC — H2020-WIDESPREAD-2016-2017/H2020-WIDESPREAD-04-2017TeamingPhase1

**Participation in the proposal preparation**

**PROPOSAL SUBMISSION FORMS UNDER THE RESTART 2016 – 2020 PROGRAMMES RESEARCH, TECHNOLOGICAL DEVELOPMENT AND INNOVATION OF THE RESEARCH PROMOTION FOUNDATION**

**PROGRAMME:** DIDAKTOR (Post-Doctoral Researchers)

**RPF PROPOSAL NUMBER:** POST-DOC/0916/0173

**PROPOSAL ACRONYM:** PeerS-net

**Project Title:** The role of social networks in web-based peer-assessment for science learning

**Project Title in Greek:** Αξιοποίηση μέσων κοινωνικής δικτύωσης για διαδικτυακή έτερο-αξιολόγηση στη μάθηση των Φυσικών Επιστημών

**STATUS:** Submitted 11/1/2017 14:25:44; No results have been announced yet.

**Own contribution in the proposal preparation**

**HORIZON 2020**

**CALL:** H2020-SwafS-2016-17 (Science with and for Society)

**TOPIC:** SwafS-11-2017

**TYPE OF ACTION:** Research and Innovation Action (RIA)

**PROPOSAL NUMBER:** 788116

**PROPOSAL ACRONYM:** Everyone@Science

**STATUS:** Submitted 30/08/2017 12:43:56

**Participation in the proposal preparation**

**COST ACTIONS**

**European Cooperation in Science and Technology**

**COST Open Call Proposal Reference** OC-2017-1-21966

**Collection ID:** OC-2017-1

**Proposal ID:** 21966

**Proposal Title:** European Mixed Methods Research Network

**STATUS:** Submitted 07/09/2017

**My role: Secondary Proposer**

## LEVENTIS FOUNDATION RESEARCH COMMITTEE

Title of Research Project: Science and Technology Education for Citizenship: The potential role of social networks

STATUS: Submitted 31/08/2016; NOT FUNDED

**Participation  
in the  
proposal  
preparation**

### MEMBERSHIPS

- European Association for Research on Learning and Instruction (EARLI)
- JURE (JUNior REsearchers) network of EARLI
- European Science Education Research Association (ESERA)
- **Sig 1. Assessment and Evaluation EARLI Conference (member of the organizing committee for the forthcoming Sig. 1 EARLI 2018 Conference)**

### AWARDS

Best JURE Award for innovative paper at the 7<sup>th</sup> EARLI Sig 1: Assessment and Evaluation 2014 Conference held in Madrid, Spain (27-29 August). Paper: Examining undergraduate teacher assessors' and assesses' heuristics and their behavioral profiles in a web-based peer assessment context in science.

### SKILLS

- Excellent knowledge of using computers:

Microsoft operating system:

E.g. Microsoft office, Outlook, Internet, use of educational software (e.g. Kidspiration, Inspiration, Stage cast creator, Virtual labs, Micro words), development of teaching material in web-based learning environments (e.g. Stochasmos), Blackboard, use of software for collecting (e.g. River Past Pro) and analyzing data (e.g. SPSS).


Linux operating system:

E.g. Fortran, Mathematica

- Fluent use of English (speaking and writing)
- German (B1 level)
- Greek as a mother tongue
- GCE O' level in Art and Design

### COMPETENCES

- Experience, commitment and continuous involvement with the elements of Science Education and research in Science Education.
- Highly motivated and experienced, with prominent organizational capability, cooperative attitude and exceptional ability to adapt, develop a positive learning environment and appreciate every forthcoming challenge.

- Research activity and publications, participation in Science Conferences.
  - Plan, organize and implement research interventions.
  - Analyzing qualitatively and quantitatively research data, reporting results.
  - Supervising master students in Science Education at the University of Cyprus.
  - Schedule and engage in activities for children and undergraduate students.
  - Responsible for the creation of stimulating lesson plans to cover multi-week course period, plan and deliver instructions in Science Teaching.
- 

## List of publications

### PUBLICATIONS

#### Publications in Scientific Journals with Blind Review System

- Tsivitanidou, O. E., Constantinou, C. P., Labudde P., Rönnebeck, S., & Ropohl, M. (in press). *Reciprocal peer assessment as a learning tool for secondary school students in modeling-based learning. European Journal of Psychology of Education*. DOI 10.1007/s10212-017-0341-1
- Tsivitanidou, O., & Constantinou, C. (2016). A study of students' heuristics and strategy patterns in web-based reciprocal peer assessment for science learning. *The Internet and Higher Education*. 12, 12-22, DOI:10.1016/j.iheduc.2015.11.002
- Błaszak M., Rybska E., Tsivitanidou O., & Constantinou P. C. (accepted). Botanical gardens for productive interplay between emotions and cognition. *Journal of Environmental Education*.
- Hovardas, T., Tsivitanidou, O. E., & Zacharias, C. Z. (2014). Peer versus Expert feedback: Investigating the quality of peer feedback among secondary school students assessing each other's science web-portfolios. *Computers & Education*, 71, 133-152.
- Christodoulides, E., Derri, V., Tsivitanidou, O., & Kioumourtoglou, E. (2012). Differences in Social Skills of Cypriot Students in the Physical Education Class. *Journal of Physical Education and Sport*. 12 (3), 371-380.
- Tsivitanidou, O. E., & Zacharias, C. Z., & Hovardas, T., Nicolaou, A. (2012). Peer Assessment Among Secondary School Students: Introducing a Peer Feedback Tool in the Context of a Computer Supported Inquiry Learning Environment in Science. *Journal of Computers in Mathematics and Science Teaching*, 31 (4), 433-465.
- Tsivitanidou, O. E., & Zacharias, C. Z., & Hovardas, T. (2011). Investigating secondary school students' unmediated peer assessment skills, *Learning and Instruction*, 21 (4), 506-519.

#### Chapters in Edited Books

- Tsivitanidou, O., & Constantinou, C. (2016). Undergraduate Students' Heuristics and Strategy Patterns in Response to Web-Based Peer and Teacher Assessment for Science Learning. In Malcolm Vargas (Ed.), *Teaching and Learning: Principles, Approaches and Impact Assessment*. (pp. 65-116). New York: Nova Science Publishers. ISBN: 978-1-63485-228-9
- Tsivitanidou, E. O., & Constantinou, P. C. (submitted). What is inquiry-based science teaching and

learning? In Tsivitanidou, O., Gray, p., Rybska, E., Louca, L., & Constantinou, P. C. (Eds.), *Professional development for Inquiry-Based Science Teaching and Learning*. ESERA Book Series.

## **Publications in Conference Proceedings with Review System**

Tsivitanidou, O., & Labudde, P. (2016). Can peer-assessment inform teachers about secondary-school students' mastery of the modeling competence? In: Lavonen, J., Juuti, K., Lampiselkä, J., Uitto, A. & Hahl, K. (Eds.) *Electronic Proceedings of the ESERA 2015 Conference. Science education research: Engaging learners for a sustainable future*, Part 11 (co-ed. J. Dolin & P. Kind), (pp. 1619-1630). Helsinki, Finland: University of Helsinki. ISBN 978-951-51-1541-6

Felchlin I., Tsivitanidou O., Beerenwinkel A., & Moser U. (2016). Simulation and modelling: designing a summative assessment test in Biology. In: Lavonen, J., Juuti, K., Lampiselkä, J., Uitto, A. & Hahl, K. (Eds.) *Electronic Proceedings of the ESERA 2015 Conference. Science education research: Engaging learners for a sustainable future*, Part 11 (co-ed. J. Dolin & P. Kind), (pp. 1694-1701). Helsinki, Finland: University of Helsinki. ISBN 978-951-51-1541-6

Tsivitanidou, O., Zacharias, Z., & Hovardas, T. (2014). Examining whether secondary school students make changes suggested by expert or peer assessors in the science web-portfolios, In C. P. Constantinou, N. Papadouris & A. Hadjigeorgiou (Eds.), *E-Book Proceedings of the ESERA 2013 Conference: Science Education Research For Evidence-based Teaching and Coherence in Learning*. Part 11 (co-ed. Robin Millar & Jens Dolin), (pp.68-75) Nicosia, Cyprus: European Science Education Research Association. ISBN: 978-9963-700-77-6.

## **Articles in the daily press**

Τσιβιτανίδου, Ο. (2017, Ιούλιος 23). Χημεία στερεών και κυπριακή οικονομία [Solid state chemistry and the Cypriot Economy]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 16.

Τσιβιτανίδου, Ο. (2017, Μάρτιος 06). Σκοτεινή ύλη, σκοτεινή ενέργεια και θεωρίες βαρύτητας [The dark sector and theories of gravity]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 16.

Τσιβιτανίδου, Ο. (2017, Ιανουάριος 01). Αντιμετώπιση και περιορισμός του HIV και άλλων λοιμωδών νοσημάτων [Treatment and suppression of HIV and other infectious diseases]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 15.

Τσιβιτανίδου, Ο. (2016, Νοέμβρη 21). Διαχείριση δεδομένων σε υπολογιστικά συστήματα και δίκτυα [Managing data in computer systems and networks]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 16.

Τσιβιτανίδου, Ο. (2016, Οκτώβρη 09). Η επαναχρησιμοποίηση λυμάτων και τα κοινωνικά οφέλη της πρακτικής. Το ερευνητικό έργο της Διευθύντριας του Διεθνούς Ερευνητικού Κέντρου



Νερού Νηρέας δρος Φάττα-Κάσινου [The reuse of wastewater and the social benefits of the practice. The research work of Dr Fatta-Kassinou, Director of the International Research Centre for Water NIREAS]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 16.

Τσιβιτανίδου, Ο. (2016, Αύγουστος 07). Φυσικοχημεία και καινοτόμες εφαρμογές. Το ερευνητικό έργο της αναπληρώτριας καθηγήτριας Σοφίας Χαραλάμπους - Hayes, στο Τμήμα Χημείας του Πανεπιστημίου Κύπρου [Physical chemistry and innovative applications. The research work of Dr. Sophia Charalambous – Hayes, Associate Professor at the Department of Chemistry, University of Cyprus]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 10.

Τσιβιτανίδου, Ο. (2016, Ιούνιος 26). Διεπιστημονικότητα στην αρχαιολογία μέσα από το πρόγραμμα NARNIA. Ερευνητικό έργο της Βασιλικής Κασσιανίδου, Διευθύντριας Ερευνητικής Μονάδας Αρχαιολογίας του Πανεπιστημίου Κύπρου [Interdisciplinarity in archeology through the NARNIA research program. The research work of Dr. Vasiliki Kassianidou, Director of the Archaeological Research Unit, University of Cyprus]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 16.

Τσιβιτανίδου, Ο. (2016, Μάιος 22). Μέσω κάψουλας η ανίχνευση καρκίνου στο λεπτό έντερο. Έρευνα του αναπλ. Καθηγητή Ιούλιου Γεωργίου, διευθυντή Εργαστηρίου Ολιστικής Ηλεκτρονικής στο Πανεπιστήμιο Κύπρου [Detecting cancer in the small intestine through the use of a micro capsule. The research work of Dr. Julius George, Associate Professor and Director of the Holistic Electronics Laboratory at the University of Cyprus]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 15.

Τσιβιτανίδου, Ο. (2016, Μάιος 11). Ο επιστημονικός λόγος για ισότητα των φύλων και ο αντίκτυπος στην κυπριακή κοινωνία [Scientific reason for gender equality and the impact on the Cypriot society]. *ΚΑΘΗΜΕΡΙΝΗ ΟΙΚΟΝΟΜΙΚΗ*, σελ. 9.

Τσιβιτανίδου, Ο. (2016, Απρίλης 17). Οι χρήστες ουσιών και η διάδοση λοιμωδών νοσημάτων. Έρευνα του καθηγητή Λεόντιου Κωστρίκη, επικεφαλής Ερευνητικού Εργαστηρίου Βιοτεχνολογίας και Μοριακής Ιολογίας στο Παν. Κύπρου [The drug addicts and the spread of infectious diseases. The research work of Prof. Dr. Leontios Kostrikis, Head of the Research Laboratory of Biotechnology and Molecular Virology at the University of Cyprus]. *ΚΑΘΗΜΕΡΙΝΗ*, σελ. 17.

## CONFERENCES

Tsivitanidou, O., & Constantinou, C. (2017, August). Peer-assessment as a learning activity for secondary school students in modeling- based learning. In Le Hebel F. (Chair), *Perspectives on peer assessment in science teaching involving inquiry-based approaches: Results from European project ASSIST-ME*. Symposium to be organized for the ESERA 2017 Conference, 21 – 25 August 2017, Dublin, Ireland.

- Tsivitanidou, O., & Constantinou, C. (2017, September). Peer-assessors' heuristics and peer-feedback produced in peer assessment with the use of rubrics. In Smit R. (Chair), *The use of rubrics for feedback and learning – new insights from research for higher and primary education*. Symposium to be organized for the EARLI 2017 Conference, 29 August- 2 September 2017, Tampere, Finland.
- Karnaou, P., Tsivitanidou, O., Livitzis, M., Nicolaou Chr., & Constantinou, C. (2017, July). The impact of peer-feedback exchange in undergraduate teacher students' own constructed models of the moon phases. Paper to be presented at the GIREP 2017 Conference, 3-7 July 2017, Dublin, Ireland.
- Tsivitanidou, O., & Constantinou, C. (2016, August). Examining the effectiveness of two peer-assessment approaches in modeling-based learning: rubrics Vs comparative judgement approach. In Hamer R. & Coertjens L. (Chair), *Practical issues using comparative judgement: efficiency, reliability, grade awarding and feedback in real life assessment*. Symposium organized for the 8<sup>th</sup> EARLI Sig 1: Assessment and Evaluation 2016, 24-26 August, Munich, Germany.
- Tsivitanidou, O., & Constantinou, C. (2016, June). How can peer-assessment enhance conceptual understanding in modeling-based learning? Paper presented for the 10<sup>th</sup> EARLI Sig 3: Conceptual Change 2016, 2-5 June, Florina, Greece.
- Tsivitanidou, O., & Constantinou, C. (2015, October). Science and Technology Summer Camp for Secondary School Students at the University of Cyprus. Poster presented at the SciCamp (A Network for Science Camps in Europe) Conference 2015, 7-9 October, Berlin, Germany.
- Felchlin, I., Tsivitanidou, O., Beerenwinkel, A., Moser, U. (2015, September). Simulation and modelling: Designing a summative assessment test in Biology. Paper presented at the 11<sup>th</sup> ESERA Conference 2015, 31 August-4 September, Helsinki, Finland.
- Tsivitanidou, O. E., & Labudde, P. (2015, September). Can peer-assessment inform teachers about secondary-school students' mastery of the modeling competence?. Paper presented at the 11<sup>th</sup> ESERA Conference 2015, 31 August-4 September, Helsinki, Finland.
- Tsivitanidou, O. E. (2015, August). Examining peer assessors' behavioral profiles in a web-based peer assessment science context. Paper presented at the 16<sup>th</sup> EARLI Conference 2015, 25-29 August, Limassol, Cyprus.
- Tsivitanidou, O. E. (2015, August). Examining the quality of peer feedback among undergraduate students in a science inquiry web-based learning environment. Paper presented at the 19<sup>th</sup> JURE EARLI Conference 2015, 23-24 August, Limassol, Cyprus.
- Tsivitanidou, O. E., Delaney S., Beerenwinkel A., & Labudde P. (2015, March). Fostering and measuring of experimental skills in science. Paper presented at the Aufgaben als Schlüssel

zur Kompetenz Conference, 19-21 March, Brugg- Windisch, Switzerland.

- Tsivitanidou, O. E., & Constantinou P., C. (2014, December). Identifying students' heuristics and behavioral profiles in reciprocal peer assessment in science. Paper presented at the Sig. Video-based research of Teaching and Learning Processes ESERA Conference 2014, 5-6 November, Brugg- Windisch, Switzerland
- Tsivitanidou, O. E. (2014, August). Examining undergraduate teacher assessors' and assesses' heuristics and their behavioral profiles in a web-based peer assessment context in science. Paper presented at the 7<sup>th</sup> EARLI Sig 1: Assessment and Evaluation 2014, 27-29 August, Madrid, Spain.
- Tsivitanidou, O. E., & Zacharias, C. Z., & Hovardas, T. (2013, September). Examining whether secondary school students make changes suggested by expert or peer assessors in their science web-portfolios. Poster presentation at the 10<sup>th</sup> ESERA Conference 2013, 2-7 September, Nicosia, Cyprus.
- Tsivitanidou, O. E., Zacharias, C. Z., & Hovardas, T. (2013, January). Identifying scaffolds needed for enhancing the quality of peer feedback produced by secondary school students in computer supported inquiry learning environments. Paper presented at the Alpine Rendez-Vous "Scaffolding Inquiry-Based Science Learning with Computer Environment" workshop 2013, 31 January-1 February, Villard-de-Lans, France.
- Tsivitanidou, O., E., Zacharia, Z., & Hovardas T. (2012, September). Comparing peer and expert assessment in a secondary school science education context. Paper presented at the 62nd Annual Conference on International Council for Educational Media 2012, 26-29 September, Nicosia, Cyprus.
- Tsivitanidou, O., E., Nicolaou A., Zacharia, Z., & Hovardas T. (2012, September). Peer assessment among secondary school students: Introducing a peer feedback tool in the context of a computer supported inquiry learning environment in science. Paper presented at the 62nd Annual Conference on International Council for Educational Media 2012, 26-29 September, Nicosia, Cyprus.
- Tsivitanidou, O. E., & Nicolaou, A., Zacharias, C. Z., & Hovardas, T. (2012, June). Peer assessment among secondary school students: Introducing a peer feedback tool in the context of a computer supported inquiry learning environment in science. Paper presented at the 10<sup>th</sup> International Conference on Computer Based Learning in Science 2012, 26- 29 June, Barcelona, Spain.
- Zacharias, Z., & Tsivitanidou, O. (2011, October). The online platform SCY-Lab: an example of an innovative teaching tool. Workshop in "Computer supported science teaching and learning" Conference in the University of Cyprus, 8 October, Nicosia, Cyprus.

- Tsivitanidou, O. E., & Zacharias, C. Z., & Hovardas, T. (2011, September). Do students have the skills to provide valid and reliable peer assessment of science web-portfolios?. Paper presented at the 9<sup>th</sup> ESERA Conference 2011, 5-9 September, Lyon, France.
- Tsivitanidou, O. E., & Zacharias, C. Z., & Hovardas, T. (2011, August-September). Comparing peer and expert assessment of science web-portfolios. Paper presented at the 14<sup>th</sup> Biennial Conference EARLI 2011, 30 August- 3 September, Exeter, UK.
- Tsivitanidou, O. E., & Zacharias, C. Z., & Hovardas, T. (2010, July). Can unsupported reciprocal peer assessment be implemented by secondary students in the assessment of web-portfolios?. Paper presented at the 9th CBLIS Conference 2010, 4-7 July, Warsaw, Poland.
- Tsivitanidou, O., & Charalampous, D. (2009, June). Inquiry as a frame of teaching and learning- a comparison to social constructivism. Proceedings of the 5th Panhellenic Conference of History and Philosophy of Science Education, Nicosia, Cyprus.
- Participation in the International Conference GIREP 2008, 18-22 August, University of Cyprus, Nicosia, Cyprus.
- 