ICT for Learning and eLearning

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Agenda

- Kerstin Siakas: a few background words
- Teaching & Learning Projects I participate(d) in
- Future project proposal ideas

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Studies

- **Economics** - BSc and MSc, Finland
- **Management & Computing** – PhD, UK

Professional Experience

- **Software development** (programmer, analyst, IT manager) in international organisations - Sweden 5 years, Greece 9 years
- **ATEI of Thessaloniki, Department of Informatics** 20 years

Research Interest

- Multidisciplinary Approaches of Software Engineering, Knowledge Management and Software Quality Management
- Particular interest in the social, cultural and political approaches and their effect on society, such as globalization, outsourcing, eLearning and eInclusion, as well as on the subsequent challenges for managers, educators and governments

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Projects I participate(d) in (1)

- **Type of Programme:** Erasmus Intensive Programme (IP)

- **Title:** **Digital Marketing (DIMA 2010)**
- **Dates:** 1.09.2009 – 31.08.2010

My role in the project:

- To teach:
  - 1. "How to use Social Software in Business / Education"
  - 2. "Social Networks and the Network Society"
- Quality measurement of the IP

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Projects I participate(d) in (2)

- **Type of Programme:** LLP Key activity 3 - ICT
- **Title:** **European Certificates Innovative Online Training Campus – EUCert**
- **Dates:** 1.01.2008 – 31.12.2009
- **Proj. Code:** 135691-LLP-1-2007-AT-KA3-KA3MP

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Job Roles ("active" and "in work")

Active

Certified Configuration and Change Manager
Certified e-Business Manager
Certified e-Commerce Engineer
Certified EQ Interpersonal Skills
Certified e-Security Manager
Certified EU Internal Financial Control Assessor
Certified EU Project Manager
Certified ICT Engineer
Certified Innovation Manager
Certified IT Consultant for SMEs
Certified IT-Security Manager
Certified Professional Competences
Certified SCOPE Manager
Certified SPI Manager
Certified SW Architect

In work

Certified SW Project Manager
Certified E-Learning Manager
Certified Financial Terminology Manager
Certified Integrated Designer
Certified Interpersonal Skills
Certified Terminology Manager

ECQA
European Certification & Qualification Association

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Structure of Job Role Skill cards

DOMAIN

→ Job (Role)

→ Unit

→ Element

→ **Performance criteria**

← **Multiple choice questions**

EVIDENCES !

Training & (*self*-)evaluation

Modularity!

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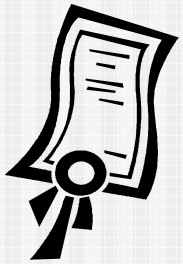
Participants



- Formal recognition **of participant's knowledge**
- **Usage of** central Exam pool **(multiple-choice questions) and technical support for exams (exam portal)**
- **ECQA certificates are** recognised on the market **(several thousands of participants already certified within ECQA schema)**
- **Good reference for cooperation with partners all over the Europe (description of skills available publicly to all, potentials for public pool of certified expert)**

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More Details on EUCertification

- **www.ecqa.org**
  - **Certification Body**
- **www.eu-certificates.org**
  - **Virtual training campus**
- **www.eurospi.net**
  - **European conference series since 16 years**

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Projects I participate(d) in (3)

- **Type of Programme:** Grundtvig
- **Title:** **Spotlight on Learning, Access, Methodology and Pedagogic in E-learning - E-LAMP**
- **Dates:** 1.10.2007 – 30.09.2009
- **Proj. Code:** ko7-g1-001-1

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eLamp (http://elamp.it.teithe.gr/)

Aims & Objectives

- To share experience (focus is on pedagogic and methodology)
- to **develop a common best practise** on e-learning methodology for adults in countries with different educational cultures

Participating countries

- Austria, Denmark, Finland, Greece, Norway, Slovakia, Turkey.

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eLamp Publications

International Refereed Conferences

- Siakas Kerstin V., Antoniadi, Margarita H. (2009):

  E-lamp: Best Practices in e-Learning

  14th INternational Conference on Software Process Improvement - Research into Education and Training, (INSPIRE 2009), 6th - 8th of April, 2009, Southampton Solent University, Hampshire, UK (proceedings to be printed)

- Margaris Athanasios I., Siakas Kerstin V., Dimopoulou Fotini, Pontikidou Amalia E. (2008):

  Networked Blended Learning: Creation of Best Practices for Continuous Improvement

  Proceedings of the 6th International Conference on Networked Learning, May, Halkidiki, Greece, ISBN No: 978-1-86220-206-1, pp. 262-269

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Projects I participate(d) in (4)

- **Type of Programme:** Leonardo da Vinci
- **Title:** **Network for Teaching Information Society - NET-IS**
- **Dates:** 1.11.2006–31.12.2008
- **Proj. Code:** 2006-HU/06/B/F/PP-170033

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NET-IS

Aims & Objectives

- to improve the skills and competences of students, teachers, researchers, experts and wider public by developing widely accessible, relevant, innovative and sustainable course on information society
- to produce adaptable, reliable content through a constructivist approach
- to use a modular course design in Moodle and take advantage of international synergies
- to increase the participants' awareness and reflections on the impact of information society on everyday life

Participating countries

- Greece, Hungary, Italy, Slovakia, Estonia, UK

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NET-IS Publications

Chapters in Edited Books

- Siakas Kerstin, Georgiadou Elli (2008): **Considering Divergent Cultural Values in Technology Enabled Learning** in R. Pinter (eds.), *Network for Teaching Information Society (NETIS) textbook*, e-book, http://www.ittk.hu/netis/doc/textbook/siakas_georgiadou_netis_cult_learn.pdf

International Journals

- Siakas Kerstin (2008): **A Distributed Multicultural Network for Teaching Information Society: Cultural Diversity Aspects**, in Információs Társadalom Journal (ranking at ISI Web of Science), VIII / 3 pp. 18-30 (in Hungarian), pp. 167 (summary in English)
- Siakas Kerstin, Themis Kotsialos (2008): **The Greek Information Society Experience**, in Információs Társadalom Journal (ranking at ISI Web of Science), VIII / 3, pp. 82-112 (in Hungarian), pp. 160 (summary in English)

International Refereed Conferences

- Siakas Kerstin V. (2008): A Distributed Multicultural Network for Teaching Information Society: Cultural Diversity Aspects, Proceedings of the 6th International Conference on Networked Learning, May, Halkidiki, Greece, ISBN No: 978-1-86220-206-1, pp.774-782

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More Details on NET-IS

- http://netis.nyme.hu/
- http://sites.it.teithe.gr/netis/moodle/
  - Learning management environment
- http://www.ittk.hu/netis/
  - Project Web-site

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Projects I participate(d) in (5)

- **Type of Programme:** LLP Transversal Projects

- **Title:** **DBTech Pro Framework and Workshops Extended - DBTech EXT**
- **Dates:** 1.1.2008 – 31.12.2010
- **Proj. Code:** 143371-2008-LLP-FI-KA3-KA3MP

My role in the project:

- **Work Package 2:** Pedagogy, Quality and Evaluation

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DBTech Ext (http://www.dbtechnet.org/)

Aims & Objectives

- To develop database technology course contents
- To provide Internet-based virtual laboratories, digital video lessons and online tests
- To dissemination and exploit tutorials and workshops to Outer Circle partners (Vocational Education and Training + Companies)
- To Integrate VET and HE education curricula into LL programmes of database professionals
- To recognise prior formal and informal learning
- To meet the developments in database technologies and the needs of the European labour market
- To co-operate with VET, HE, and the European business sector

- **Participating countries**
- Finland, France, Germany, Greece, Spain, UK

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Projects I participate(d) in (6)

- **Type of Programme:** Tempus

- **Title:** **ICT and Media Convergence**
- **Dates:** 1.9.2007 – 31.8.2009
- **Proj. Code:** 34015-2006

My role in the project:

- designer/reviewer of a course (out of 4) entitled

"*Convergence Regulations, Marketing and Business Models"*

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Tempus Project

Aims & Objectives

- To develop a post-graduate course on ICT convergence

Participating countries

- Greece, Jordan, UK

Publications

International Refereed Conferences

- Abu-Shanab Emad A., **Siakas Kerstin V.,** (2009):

  Collaborative Development of a New Postgraduate Course in ICT and Media Convergence: Experiences and Reflections

  14th INternational Conference on Software Process Improvement - Research into Education and Training, (INSPIRE 2009), 6th - 8th of April, 2009, Southampton Solent University, Hampshire, UK

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Other publications in learning

Chapters in Edited Books

- Siakas Kerstin, Elli Georgiadou (2008): **Knowledge Sharing in Virtual and Networked Organisations in Different Organisational and National Cultures**, eds. Ettore Bolisani, Building the Knowledge Society on the Internet, Building the Knowledge Society on the Internet, Idea Publishing, ISBN: 978-1-59904-816-1, Part 1, Chapter 3, pp.45-64

International Refereed Conferences

- Georgiadou Elli, Siakas Kerstin (2009) **Collaborative projects: A bottom up approach to European Integration,** Annual Edition of the International Technology, Education and Development Conference (INTED 2009), Valencia, Spain, 9th - 11th of March, 2009

- Merdinyan Gayane, Siakas Kerstin (2009): **Strategic Management Facilitating Innovative Solutions to the Educational System of Armenia,** Annual Edition of the International Technology, Education and Development Conference (INTED 2009), Valencia, Spain, 9th - 11th of March

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Other publications in learning

International Refereed Conferences

- **Siakas Kerstin V.,** Georgiadou Elli (2007): **Towards Knowledge Sharing using a Flexible Teaching Framework for Developing and Supporting Resource-based Learning**, in E. Berki, J, Nummenmaa, I Sundly, M. Ross, G. Staples (eds). *Improving Quality in Computing Education*, Proceedings of the 12th INternational Conference on Software Process Improvement - Research into Education and Training, (INSPIRE 2007), April, Stafford, UK, ISBN 978-1-902505-97-8, The British Computer Society, pp.117-126

- Georgiadou Elli, Siakas Kerstin, Berki Eleni (2006): **Knowledge Creation and Sharing through Student-lecturer Collaborative Group Coursework** in Peter Feher (ed), Proceedings of *7th European Conference of Knowledge Management (ECKM06)*, 4-5 Sept., Public Academic Conferences Ltd. Reading, UK, ISBN 978-1-905305-26-5 Book, pp.678-689

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Other publications in learning

International Refereed Conferences

- Georgiadou Elli, Siakas Kerstin.V., (2006): **Distance Learning: Technologies; Enabling Learning at Own Place, Own Pace, Own Time**, in R. Dawson, E. Georgiadou, P. Linecar, M. Ross. G. Staples (eds), *Learning and Teaching Issues in Software Quality,* Proceedings of the 11th INternational Conference on Software Process Improvement - Research into Education and Training, (INSPIRE 2006), April, Southampton, UK, ISBN 1-902505-77-8, The British Computer Society, pp. 41-50

- Voutsa Eleni, Siakas Kerstin V., Nisioti Kleoniki, Ross Margaret (2006): **A survey of the student's awareness on Ethical issues at the Technological Educational Institute of Thessaloniki**, in R. Dawson, E. Georgiadou, P. Linecar, M. Ross. G. Staples (eds), *Learning and Teaching Issues in Software Quality,* Proceedings of the 11th INternational Conference on Software Process Improvement - Research into Education and Training, (INSPIRE 2006), April, Southampton, UK, ISBN 1-902505-77-8, The British Computer Society, pp.139-150

- Siakas Kerstin, Nisioti Kleoniki S., Voutsa Eleni A. (2006): **Virtual Teams; the Notion of Trust,** 3nd International Conference on Enterprise Systems and Accounting, ICESAcc, Santorini, 26-27, June

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Other publications in learning

International Refereed Conferences

- Siakas Kerstin V., Prigkou Aristea-Alexandra, Draganidis Stergios (2005): **Enhancing Organisational Effectiveness, Achieving Excellence and Competitive Advantage in Higher Education by Balanced ScoreCard**, *2nd International Conference on Enterprise Systems and Accounting, ICESAcc, 2005,* Thessaloniki, 11-12 July
- Valkanos Nicholaos, **Siakas Kerstin**, Manitsaris Athanasios (2005): **The Bologna Process and the Challenge of Open and Distance Mode Education,** *The 10th INternational Conference on Software Process Improvement - Research into Education and training, INSPIRE 2005,* 21-23 March,Glouchestershire, UK, pp. 37-42
- Valkanos Nikolaos, Georgiadou Elli, Hatzipanagos Stylianos, Berki Eleni, **Siakas Kerstin** (2005): **ADDURI: A Framework for the Development and Support of Resource-Based Learning Environments and Materials** in Georgios A Dafoulas, Walaa Mohamed Bakry, Alan Murfy (eds): *e-Learning Online Communities,* ISBN 1 898253 99 4, International Workshop Proceedings, 3 Jan. 2005, Cairo, Egypt, pp.129–133

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Other publications in learning

International Refereed Conferences

- **Siakas Kerstin V**. and Mitalas Andreas (2004a): **The Personal Software Process; Experiences from a Laboratory Course in Software Quality Management**, *The 9th INternational Conference on Software Process Improvement - Research into Education and training, INSPIRE 2004,* Kent, UK, 05-07.04.2004, pp.73-82
- **Siakas Kerstin V**., Georgiadou Elli (2003a): **Learning in a Changing Society and the Importance of Cultural Awareness**, IADIS 2003 (International Association for development of the Information Society) International Conference WWW/Internet, ICWI 2003, Algarve, Portugal, 5-8 Nov, ISBN 972-98947-1-X, Vol. I, pp.696-702
- Georgiadou Elli, **Siakas Kerstin V**. (2003): **Technology-based learning - Cultural Dimensions and Considerations**, The 8th INternational Conference on Software Process Improvement - Research into Education and training, Quality in Teaching and Technology Based Learning, INSPIRE 2000, 23-25 April, Glasgow, UK, pp.23 – 34

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Future Project Ideas: ICT for learning & eLearning

- **Technical approaches**
- **Pedagogical approaches**
  - How do students learn in distributed environments?
    - Experiments with different pedagogical methodologies
      - e-learning features
      - Social Computing (Web 2.0) technologies
        - Blogs, chat-rooms, Second life
- **Social approaches**
  - Impact of technology based learning on students/teachers/institutions/society (market uptake, assessment, work-load, empowerment, e-inclusion, etc.)
    - Advantages/disadvantages - opportunities/challenges
- **Cultural approaches**
  - Differences in national/institutional cultures
  - Diverse students (global virtual teams, disabled students, conflict resolution etc.)

Research methodology: Experiments, observations, interviews, surveys

Research approach: Blending cross-cultural and multidisciplinary themes

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Thank you!

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