

HAICTA 2011

PROGRAMME OVERVIEW

5th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2011)

September 8-11, 2011, Skiathos Island, Greece

Thursday 8 September

14:00-18:00	HAICTA 2011 Registration
15:00-18:00	<p>Doctoral Consortium Chair: Thomas Bournaris</p> <p><i>Monitoring cotton crop evapotranspiration based on satellite data</i> Anna Blanta, Dalezios R. Nicolas, Aglaia Maliara, Nicos Spyropoulos</p> <p>A Survey of the Applications of main Biometrical methodologies and relative Informatics tools applied in agricultural research Vissarion Gousios, Stergios Tzortzios</p> <p>Web 2.0 and tourism Gergely Ráthonyi, László Várallyai</p> <p>Coffee break</p>
16.15-16.45	<p>Estimation of weeds leaf cover using image analysis and its relationship with fresh biomass yield of maize under field conditions Asif Ali, Jens Carl Streibig, Svend Christensen, Christian Andreasen</p> <p>Classification and Ranking of Greek agricultural and environmental e-governement services Parthena Chatzinikolaou, Thomas Bournaris</p> <p>A New Method to Evaluate Habitat Status Based on the Use of Data on Oribatid Mites (Acari: Oribatida) Veronika Gergócs, Levente Hufnagel</p>
19.30-21.30	Welcome cocktail

Friday 9 September

08:00-08:50	HAICTA 2011 Registration	
08:50-09:15	<p>Opening Opening words of Vaggelis Divaris, Special Secretary of the Greek Rural Development Programme for Greece 2007-2013</p>	
09:15-10:00	<p>Invited Talk Challenges in ICT adoption for a sustainable future Dr. Soulla Louca</p>	
10:00-10:20	Coffee break	
10.20-11.50	<p>Session 1 (Room A) ICT Applications & Adoption Chairs: Alexandros Sideridis & Örjan Berglund</p>	<p>Session 2 (Room B) GIS and Applications Chairs: Stergios Tzortzios & Amilcar Oliveira</p>
	<p>Information and Communication Technology (ICT) and adjustment of the marketing strategy in the agrifood system in Italy Alessandro Scuderi, Luisa Sturiale</p>	<p>Experience from the Use of the Interactive Model- and GIS-based Information and Decision Support System LandCaRe-DSS for the Development of Economic Effective Application Strategies of Agriculture to Climate Change Karl-Otto Prof. Dr. Wenkel, Wilfried Dr. Mirschel, Michael Berg, Ralf Dr. Wieland, Barbara Dr. Köstner</p>
	<p>ICT applications in the Supply Chain of Greek Agricultural Cooperatives Dimitra-Nefeli Makri, Athina Skandalou, Vasiliki Manthou, Maro Vlachopoulou</p>	<p>Rete Natura 2000 reviewed through territorial GIS zoning Francesco Riccioli, Jean Pierre El Asmar, Toufic El Asmar</p>
	<p>ICTs in Irish Agriculture: Can ICTs Improve Communication Between Agribusiness and Farmers? Padraig Wims</p>	<p>Consequences of limited soil protection in cities of Central Europe analyzed through GIS methods and participatory impact assessment – URBAN SMS project Grzegorz Siebielec, Artur Lopatka, Magdalena Gluszynska, Anna Zurek, Tomasz Stuczynski, Jaroslava Sobocka, Sigbert Huber, Petra Bluemlein, Isabel Wieshofer, Marco Parolin, Josef Kozak, Borut Vrscaj</p>
	<p>Issues in ICT Adoption in Agriculture: a Survey Among Italian Tractor's Users Ester Ferrari, Eugenio Cavallo</p>	<p>Spatiotemporal classification of drought severity Dalezios R. Nicolas, Anna Blanta, Nicos Spyropoulos, Nicholas Pismichos, Evangelia Boukouvala</p>

12.00-13.30	Session 3 (Room A) Web-based Applications Chairs: Vassiliki Manthou & Pavel Simek	Session 4 (Room B) Information Systems Chairs: Stavros Valsamidis & Elisabeth Bölenius
	The New eCustoms Information and Communication Technology Platform Applied as a Business to Government (B2G) Interface <i>Iraj Namdarian</i>	SISALERT - A generic web-based plant disease forecasting system <i>José Mauricio Fernandes, Willingthon Pavan, Rosa Maria Sanhueza</i>
	Using Social Media for Continuous Monitoring and Mining of Consumer Behaviour <i>Michail Salampasis, Giorgos Paltoglou, Anastasia Giahanou</i>	Implementation of BiogasWebPlanner® system for analysis of biogas plants market in Poland <i>Krzysztof Pilarski, Tomasz Kluza, Jacek Dach, Piotr Boniecki, Adam Kryzstofiak</i>
	The Use of Social Media among Students of Technology Agriculture and their Role in Promoting Agribusiness <i>Sophia Vassiliadou, Margarita Vogiatzi, Theodore Amygdalas, Dimosthenis Mpoutakidis</i>	Design and Development of an Innovative Information System application to present Natura 2000 <i>Konstandinos Panitsidis, Panagiotis Lefakis</i>
	E-marketing and Internet Functions of Agricultural Products in SME in Greece <i>Georgios Tsekouropoulos, Zacharoula Andreopoulou, Christiana Koliouka, Stavroula Lefa, Theodoros Koutroumanidis, Christos Batzios</i>	Information architecture for crop growth simulation model applications <i>José Mauricio Fernandes, Alexandre Lazzaretti, Willingthon Pavan, Rodrigo Tsukahara</i>
13.30-15.00	Lunch	
15.00-16.30	Session 5 (Room A) ICT Applications Chairs: Zacharoula Andreopoulou & Vojtech Merunka	Session 6 (Room B) Sensor, Mobile & Wireless Network Applications Chairs: Theofanis Gemtos & Miran Lakota
	Climate change, rural systems and innovation: the role of Internet <i>Irene Paola Borrelli, Gian Paolo Cesaretti, Rosa Misso, Debora Scarpato</i>	Simulation of Bin Loading Process During Manual Harvest of Specialty Crops Using the Machine Repair Model <i>Yiannis Ampatzidis, Stavros Vougioukas, Matthew Whiting</i>
	Digital Business Ecosystem Prototyping for Agri-food SMEs <i>Miklós Herdon, Ádám Péntek, László Várallyai</i>	Agricultural vehicle condition monitoring system based on unsupervised novelty detection <i>Dimitrios Moshou, Dimitrios Kateris, Athanasios Natsis, Ioannis Gravalos, Nader Sawalhi, Ioannis Kalimanis, Theodoros Gialamas, Panagiotis Xyradakis, Zisis Tsiropoulos</i>
	The eCustoms Central Applications Platform for the Government to Government (G2G) and Government to Business (G2B) Data Exchange and Retrieval <i>Iraj Namdarian</i>	The autonomous detection of tree position with different GPS devices for the need of early apple yield forecast <i>Denis Stajnko, Miran Lakota</i>
	Development of Agrotourism through the Application of Internet Technologies: Problems and Perspectives <i>Stephanos Karagiannis, Dimitris Stavroulakis</i>	Design of an autonomous robotic vehicle and development of a suitable gripper for harvesting sensitive agricultural products <i>Constantinos Parisses, Evaggelos Marinis</i>
16.30-17.00	Coffee break	
17.00-18.30	Session 7 (Room A) E-learning & Knowledge Management Chairs: Constantinos Yialouris & László Várallyai	Session 8 (Room B) Information Systems Chairs: Christos Batzios & Oleksandr Chernyak
	A Descriptive Study on the Students' Responses to Learning through an On-Line Agricultural Simulation Game <i>Hasan Önder, Kemal Çağatay Selvi, Sezen Ocak</i>	Transformation of a Use Case Main Success Scenario into Business Object Relation Modeling (BORM) workflow diagram for effective business process requirement analysis – the Greenhouse Integrated Pest Management case study <i>Vojtech Merunka, Athanasios Podaras</i>
	E-learning material for teaching logic <i>Maria Bako, Laszlo Aszalos</i>	Integrated Modeling of Hydrological Processes through OpenMI and Web Services <i>Konstantinos Kokkinos, Athanasios Loukas, Nicholas Samaras, Omiros Iatrellis</i>
	Business Knowledge Modelling Using the BORM Method <i>Martin Molhanec, Vojtěch Merunka, Iveta Merunková</i>	Data Envelopment Analysis and Its Application in Information and Communication Technologies <i>Violeta Cvetkoska</i>
	A Framework for E-Learning in Agricultural Education <i>Ioannis Kazanidis, Stavros Valsamidis, Ioannis Petasakis, Alexandros Karakos</i>	Stabilization of Interconnected Systems with Decentralized State and/or Output Feedback <i>Constantinos Parisses</i>
20:30	Dinner	

Saturday 10 September		
08:30-09:00	HAICTA 2011 Registration	
08:30-09:10	Dissemination Event A (In Greek) 1. <i>Mr Adonis Kontos, Marathon Data Systems, Current Applications of GIS, practice and experience</i> 2. <i>Mr Giannis Kaltsis, I-GROW – Integrated Crop Management Software (ICM) according to the AGRO 2 standard</i>	
09:10-09:30	Dissemination Event B Topic: ICT and Rural Development <i>Mrs Anthoula Katsirma, Managing Authority of the "Rural Development Programme of Greece 2007-2013"</i>	
9.30-11.00	Session 9 (Room A) Precision Agriculture Chairs: Michael Salampasis & Irene Paola Borrelli	Session 10 (Room B) Database Systems & Modeling Chairs: Constantinos Parisses & José Maurício Fernandes
	Delineation of management zones in an apple orchard: correlations between yield and soil properties <i>Katerina Aggelopoulou, Theofanis Gemtos</i>	Application of Data Mining Techniques to Olea europaea var. media oblonga production from Thassos Island <i>Theodosios Theodosiou, Stavros Valsamidis, Georgios Hatziliadis, Michael Nikolaidis</i>
	Precision Agriculture Applications in Horticultural Crops in Greece and Worldwide <i>Theofanis Gemtos, Spyros Fountas, Katerina Aggelopoulou</i>	APMP: An alternative for Packaging Industry <i>Hossein Kermanian, Omid Ramezani, Mohammad Angoraj Taghavi</i>
	Application of Relational Databases in Listing Pesticides used in Greece according to their Hazards in Human Health and the Environment <i>Sophia Vassiliadou, Dimosthenis Mpoutakidis, Michail Karikas</i>	Forecasting of cut Christmas trees with Artificial Neural Networks (TNN) <i>Konstantinos Ioannou, Garyfallos Arabatzis, Koutroumanidis Theodoros, Apostolidis Georgios</i>
	Improved system to normalize the oxygen distribution in the tank water in aquaculture <i>Panagiotis Angelidis</i>	Classification of Financial Conditions of the Enterprises in Different Industries of Ukrainian Economy Using Bayesian Networks <i>Oleksandr Chernyak, Yevgen Chernyak</i>
11.00-11.30	Coffee break	
11.30-13.00	Session 11 (Room A) Modeling & Simulation Chairs: Alexandros Theodoridis & Francesco Riccioli	Session 12 (Room B) Environmental Control Systems Chairs: Maro Vlachopoulou & Karl-Otto Wenkel
	Regional management - modeling and simulation approach <i>Vojtech Merunka, Iveta Merunkova, Josef Myslin</i>	DSS in Environmental Governance: The case of forest management in Greece <i>Evangelos Tasoulas, Zacharoula Andreopoulou, Panagiotis Lefakis</i>
	DSS applications in forest policy and management: Analysis of current trends <i>Antonios Athanasiadis, Zacharoula Andreopoulou</i>	Assessing "Transaction Climate" Influencing the Adoption of Innovative ICT and E-business in the Greek Agri-food Sector <i>Sophia Zioupou, Zacharoula Andreopoulou, Basil Manos, Faidra Kiomourtzi</i>
	Modelling movements of root-knot nematodes Meloidogyne spp. juveniles when encumbered with spores of Pasteuria penetrans <i>Ioannis Vagelas, Barbara Pembroke, Simon Gowen</i>	Tools for Crop Water Irrigation Assessment: Two Italian Examples <i>Nino P., Lupia F., Altobelli F., Vanino S., Namdarian Iraj</i>
Comparison of models for describing the lactation curves of Chios sheep using daily records obtained from an automatic milking system <i>Maria Karangeli, Zafeiris Abas, Theodoros Koutroumanidis, Chrisovalantis Malesios, Costas Giannakopoulos</i>	Inventory of carbon sequestration in Artemisia lands of Hamadan province <i>Seyed Akbar Javadi, Ghavamodin Zahedi Amiri, Mohamad Naderi, Faranak Raoofi, Khadije Mahdavi</i>	
13.00-14.30	Lunch	
14.30-16.00	Session 13 (Room A) Rural Development & ICT Chairs: Garyfallos Arabatzis & Omid Ramezani	Poster Session (from 14:30 to 16:00) On the go measurements of penetration resistance and yield and the effect of deep loosening <i>Elisabeth Bölenius</i>
	Surveying the validity of PPP in the dairy sector of EU by using nonlinear cointegration <i>Eleni Zafeiriou, Theodoros Koutroumanidis, Christos Karelakis, Spyridon Koutroubas</i>	Application of dGPS to Harvesting Date and Precision Viticulture in Slovenia <i>Miran Lakota, Denis Stajnko</i> Rural Tele-centers in Sustainable Agriculture and Rural Development in Iran: Situations and Problems (Case Study: South Khorasan Province – East of Iran) <i>Farhood Golmohammadi</i>

	<p>Examining Agriculture from a Regional Perspective: Implications for the Common Agricultural Policy <i>Stilianos Alexiadis, Nikolaos Hasanagas, Christos Ladias</i></p> <p>Regional reports and presentations of regions in the Czech Republic <i>Jiri Vanek, Jan Jarolimek, Michal Stoces, Pavel Simek, Eva Cervenkova</i></p> <p>Valuation of Environmental and Social Functions of the Multifunctional Cypriot Agriculture <i>Athanasios Ragkos, Alexandros Theodoridis</i></p>	<p>Applications of Informatics in a LDV project with reference to the organic farming in Greece and Europe <i>Vissarion Gousios, Athanasia Tziortziou, George Vlontzos, Stergios Tzortzios</i></p> <p>Data acquisition during composting experiments with usage of 4-chamber bioreactor for modeling of biological processes <i>Jacek Dach</i></p> <p>Biodiversity Management in Viticulture Landscapes -Demonstrating Project LIFE+ BioDiVine <i>France Mercier, Joel Rochard, Carine Herbin, Maarten Van Helden, Josépha Guenser, Marie Fauchadour</i></p> <p>Impact of cultivation technology on yield and fodder value of winter triticale grain <i>Bogusława Jaskiewicz, Grazyna Podolska</i></p> <p>Request e-abilities to labour market <i>László Várallyai, Miklós Herdon</i></p> <p>Environmental control systems for defining the activity size distribution of radioactive aerosols - a case study <i>Alexandra Ioannidou</i></p> <p>Method for detection of mixtures of normal distributions with application to vine varieties <i>Amílcar Oliveira, Teresa Oliveira</i></p> <p>I-GROW – Integrated Crop Management Software (ICM) according to the AGRO 2 standard <i>Kaltsis Ioannis</i></p> <p>Land use change analysis for assessment of soil protection efficiency in urban area – URBAN SMS project <i>Magdalena Gluszynska, Grzegorz Siebielec, Anna Zurek, Artur Lopatka</i></p> <p>A user friendly GIS model for the estimation of erosion risk in agricultural land using the USLE <i>Anastasia-Maria Sotiropoulou, Thomas Alexandridis, George Bilas, Nikolaos Karapetsas, Aggeliki Tzellou, Nikolaos Silleos, Nikolaos Misopolinos</i></p>
16.00-16.30	Coffee break	
16.30-18.20	<p>Session 14 (Room A) Environmental Systems Chairs: Georgios Tsekouropoulos & Grzegorz Siebielec</p>	<p>Session 15 (Room B) Environmental Systems Chairs: Nicolaos Dalezios & Pdraig Wims</p>
	<p>The influence of soil conditions on grain quality of spring wheat <i>Alicja Sulek, Grazyna Podolska, Marzena Mikos</i></p>	<p>Water Consumption Reduction Strategies in Recycled Paper Production Companies in Iran <i>Omid Ramezani, Hossein Kermanian, Zahra Razmpour</i></p>
	<p>Estimation of erosion rate on Anthemountas Basin <i>Panagiotis Papazoglou, Anastasia Rizopoulou</i></p>	<p>Orthological management of hydrological runoff basins of the prefecture of drama (current situation – protective actions – perspectives) <i>Christos Kirkenidis, Ioannis Kirkenidis, Panagiotis Stefanidis</i></p>
	<p>Implementation of Metadata Harvesting of Scientific and Scholarly Research Journal's Content <i>Pavel Simek, Jan Jarolimek, Jiri Vanek, Michal Stoces</i></p>	<p>Spatial variation and correlation between electric conductivity (EM38) and CO2 emissions from a cultivated peat soil <i>Örjan Berglund</i></p>
	<p>Choice-based valuation of natural resources in the protected area of the Evros Delta <i>Christos Emmanouilides, Stavros Tsiantikoudis, Garyfallos Arabatzis</i></p>	<p>E-commerce and Database Technology in Small-Medium Wood Enterprises in Greece <i>Zacharoula Andreopoulou, Christiana Koliouka, Georgios Tsekouropoulos, Vagis Samathrakis</i></p>
	<p>Control System of Soil Quality Status <i>Jacob Nemes, Laura Constantinescu</i></p>	<p>The Gully Erosion Effect on the Environment <i>Jacob Nemes, Laura Constantinescu</i></p>
18:20-18:30	Plenary Session - Closure	
20:30	Gala Dinner	
Sunday 11 September		
	Excursion (for details check the social events web page)	