

HAICTA 2013

Programme Overview

6th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2013)

September 19-22, 2013, Corfu Island, Greece

Thursday 19 September

12:30-17:00	HAICTA 2013 Registration
13:00-16:30	Tutorials
16.30-17.00	Coffee Break
17:00-19:00	Doctoral Consortium Chairs: George Tsekouropoulos & Thomas Bournaris
	Influence of Added Co Substrates, Technical and Technological Factors on the Fermentation Process of Municipal Wastewater Sludge <i>Pablo César Rodríguez Carmona, Tomasz Piechota and Robert Mazur</i>
	Methods of Automated Model Transformations in Information System Analysis <i>Jakub Tůma</i>
	The Experimental Macro Photoreactor for Microalgae Production <i>Andrzej Lewicki, Jacek Dach, Damian Janczak and Wojciech Czekala</i>
	Emerging Traceability Technologies as a Tool for Quality Wood Trade <i>Ioakeim Tzoulis and Zacharoula Andreopoulou</i>
	Building an Innovative Software Application for Modelling Inland Water Ecosystem Management <i>Konstandinos Panitsidis, Panagiotis Lefakis, Zacharoula Andreopoulou and Antonios Kokkinakis</i>
E-government and Forest Service: The Case of the University Forest of Taxiarchis <i>Sofia Chrysopoulou, Panagiotis Lefakis, Zacharoula Andreopoulou and Basil Manos</i>	
20.30-22.30	Welcome Cocktail

Friday 20 September

08:00-8:45	HAICTA 2013 Registration	
08:45-09:30	Opening	
09:30-10:10	Invited Talk A Linked Open Earth Observation Data and its Applications <i>Prof. Manolis Koumbarakis</i>	
10:10-10:30	Coffee break	
10.30-12.00	Session 1 (Room A) Environmental Assessment & Modelling Chairs: Vagis Samathrakis & Luisa Sturiale	Session 2 (Room B) Precision Agriculture Chairs: Stergios Tzortzios & Athanasios Vazakidis
	The Investigation of Woodfuels' Involvement in Green Energy Supply Schemes at Northern Greece: The Model Case of the Thrace Prefecture <i>Grigorios Kyriakopoulos and Miltiadis Chalikias</i>	Drivers of Precision Agriculture Technologies Adoption: A Literature Review <i>Emanuele Pierpaoli, Giacomo Carli, Erika Pignatti and Maurizio Canavari</i>
	OBA and BORM Approach in the Organizational Modeling and Simulation of Local Government Processes and Country Planning <i>Iveta Merunková and Vojtěch Merunka</i>	Precision Agriculture Application in Fruit Crops: Experience in Handpicked Fruits <i>Theofanis Gemtos, Spyros Fountas, Aristotelis Tagarakis and Vasilis Liakos</i>
	Sediment Transport in the Koiliaris River of Crete <i>I. A. Sibetheros, S. Nerantzaki, D. Efstathiou, G. Giannakis and N. P. Nikolaidis</i>	Autonomous Vehicle for Saffron Harvesting <i>Nikolaos Asimopoulos, Constantinos Parisses, Appollon Smyrnaios and Nikolaos Germanidis</i>
12.00-13.45	Cytotoxic and Genotoxic Potency Screening of Two Pesticides on Allium cepa L. <i>Anila Mesi (Dizdari) and Ditika Kopluku</i>	Precision Agriculture Applications in a High Density Olive Grove Adapted for Mechanical Harvesting in Greece <i>Athanasios Gertsis, Dimitrios Fountas, Ionel Arpasanu and Masianos Michaloudis</i>
	Session 3 (Room A) Forest and Ecosystem Management Chairs: Garyfallos Arabatzis & Pavlos Delias	Session 4 (Room B) Agri-food Systems/Social Media in Agriculture Chairs: Panagiotis Vlamos & Miran Lakota
	Lessons Learned From the Implementation of VDTT and EMDS for the Management Planning of the Okanogan Wenatchee National Forest (WA, USA) <i>Chiara Torresan, Sean N. Gordon and Keith M. Reynolds</i>	The Use of Future Internet Technologies in the Agriculture and Food Sectors: Integrating the Supply Chain <i>Alexandros Kaloxylos, J. Wolfert, Tim Verwaart, Carlos Maestre Terol, Christopher Brewster, Robbert Robbemondb and Harald Sundmaker</i>
	Automating Online Reef Report Cards – Linking Land Management Practices to Water Quality and Coral Reef Ecosystem Health	Evaluation of Social Media Actions for the Agrifood System <i>Luisa Sturiale and Alessandro Scuderi</i>

	<i>Jane Hunter, Andre Gebers and Tim Dettrick</i>	
	Mapping Burnt Forest Areas and Monitoring their Regeneration Using MERIS Images <i>Dimitrios Galionis, Eleni Charou, Marianthi Stefouli, Katerina Kabassi and Aristotelis Martinis</i>	Exploring the Greening of the Food Supply Chain with Lean Thinking Techniques <i>Dimitris Folinas, Dimitrios Aidonis, Dimitrios Triantafyllou and Giorgos Malindretos</i>
	Assessment of Forest Opening up with Multicriteria Analysis <i>Vasileios C. Drosos, Angelos-Sarantis G. Liampas and Vasileios Giannoulas</i>	A Framework for Opinion Mining in Blogs for Agriculture <i>Stavros Valsamidis, Theodosios Theodosiou, Ioannis Kazanidis and Michael Nikolaidis</i>
	Forest Production Management and Harvesting Scheduling Using Dynamic Linear Programming (LP) Models <i>Spyros Galatsidas, Konstantinos Petridis and Garyfallos Arabatzis, Konstantinos Kondos</i>	The Effect of the IFRS on Intercompany Transactions. The Case of the Greek Food-Beverage Sector <i>Athanasios Vazakides, Antonios Stauroopoulos, Ioannis Samaras and Stergios Athianos</i>
13.45-15.00	Lunch	
	Short Paper Session (Room A) Chairs: Michail Salampasis & Athanasios Mandilas	Short Paper Session (Room B) Chairs: Athanasios Ragkos & Constantinos Polymeros
	A Neural Network Model for Classifying Olive Farms <i>Crescenzo Gallo, Francesco Contò, Piermichele La Sala and Anna Paola Antonazzo</i>	Integral ICT Solutions Supporting Farmers Businesses as well as Environmental Caretaking incl. Carbon Optimization <i>Walter H. Mayer</i>
	eEnviPer: Environmental Permits over the Cloud <i>Grigoris Chatzikostas, Ioannis Boskidis, Panagiotis Symeonidis, Stavros Tekes, Pantelis Pekakis, Alkiviadis Bais and Vasiliki Moutzi</i>	Exploring Consumers' Attitudes Towards Wood Products that Could be Derived from Transgenic Plantations in Greece <i>Lambros Tsourgiannis, Vasiliki Kazana, Anastasios Karasavvoglou, Michael Nikolaidis, Giannoula Florou and Persefoni Polychronidou</i>
	WebGIS Design & Implementation for Pest Life-cycle & Control Simulation Management: The Case of Olive-fruit Fly <i>Ioannis Karydis, Panagiotis Gratsanis, Christos Semertzidis and Markos Avlonitis</i>	Design and Development of Innovative Packaging for Agricultural Products <i>Athanasios Babalis, Ioannis Ntintakis, Dimitrios Chaidas and Athanasios Makris</i>
	ENORASIS <i>Grigoris Chatzikostas, Ioannis Boskidis, Panagiotis Symeonidis, Stavros Tekes and Pantelis Pekakis</i>	The Main Triggers of the Balance of Payment Crisis in the Eastern Europe <i>Oleksandr Chernyak, Vasyl Khomiak and Yevgen Chernyak</i>
15.00-16.30	Turkey's Animal Production Water Footprint; Heading in the Wrong Direction <i>Sezen Ocak, Sinan Öğün and Ebru Emsen</i>	Stochastic Modelling and Simulation of Olive Fruit Fly Outbreaks <i>Spyros Voulgaris, Michalis Stefanidakis, Andreas Floros and Markos Avlonitis</i>
	Development of a Wireless Erosion Measuring Network <i>Konstantinos Ioannou, Panagiotis Lefakis, George N. Zaimis and Dimitrios Emmanoueloudis</i>	Ecological Farming - Possibilities of Presentation by Means of Map Portal <i>Jiri Vanek, Pavel Šimek, Michal Stočes, Jan Jarolímeck, Vladimír Očenášek and Ivana Brožová</i>
	Land Abandonment Changes between 2005 and 2008 in Bucharest City <i>Simona Raluca Grădinaru, Cristian Ioan Iojă, Ileana Pătru - Stupariu, Mihai Răzvan Niță, Athanasios Gavrilidis and Elfrida Cârstea</i>	Desertification through Rural People Participation (Experience of International Project of Carbon Sequestration in South Khorasan Province - East of Iran) <i>Farhood Golmohammadi</i>
	Landscape Diversity Indexes Application for Agricultural Land Use Optimization <i>Tetyana Kuchma, Oleksandr Tarariko and Oleksandr Syrotenko</i>	Cloud Approach for Short Chain Administration <i>Francesco Contò, Nicola Faccilongo, Piermichela La Sala and Raffaele Dicecca</i>
	Using of GIS Tools for Analysis of Organic Waste Management in Slovenia Region Pomurje <i>Miran Lakota and Denis Stajniko</i>	Information System for Small Pig Farm <i>Tihomir Zoranović and Nebojša Novković</i>
	Regional 'Clubs' in Agriculture: Empirical Evidence <i>Stilianos Alexiadis, Nikolaos Hasanagas and Christos Ap. Ladias</i>	Municipality Waste Management Study, Case Study: Alimos, Greece <i>Thomas Hatzichristos, Konstantina Marseli and Yiota Spastra</i>
16.30-17.00	Coffee Break	
	Session 5 (Room A) Decision Making Cases and Applications Chairs: Vojtech Merunka & Christos Batzios	Session 6 (Room B) GIS / Monitoring Chairs: Theofanis Gemtos & Constantinos Parisses
17.00-18.45	Robustness-oriented Group Decision Support. A Case from Ecology Economics <i>Pavlos Delias, Paschalia Manitsa, Evangelos Grigoroudis, Nikolaos Matsatsinis and Anastasios Karasavvoglou</i>	Development of a GIS Application for Urban Forestry Management Planning <i>Evangelos Tasoulas, Gregory Varras, Ioannis Tsirogiannis and Christos Myriounis</i>
	Use of SWOT and Analytic Hierarchy Process Integration as a Participatory Decision Making Tool in Watershed Management <i>Fadim Yavuz and Tüzün Baycan</i>	Assessment of the Relationship between Forest Habitats of Mushrooms and Geology in Grevena, Greece Using Geographic Information Systems (GIS) <i>Stefanos Tsiaras and Christos Domakinis</i>
	Identification of Decision Making for Food under Economic Crisis: The Case of Greece <i>George Vlontzos and Marrie Noel Duquenne</i>	Bioreactor Internet System for Experimental Data Monitoring and Measurement <i>Damian Janczak, Michał Marciniak, Andrzej Lewicki, Wojciech Czekała, Kamil Witaszek, Pablo César Rodríguez Carmona, Marta Ciešlik and</i>

		<i>Jacek Dach</i>
	Renewable Energy Sources in Crete: Economic Valuation Results from a Stated Choice Experiment <i>Christos Emmanouilides and Theano Sgouromalli</i>	Capacitive Sensor Readout Circuit for Organic Substance Analysis <i>Nikos Petrellis, Christos Spathis, Konstantina Georgakopoulou and Alexios Birbas</i>
	A Web Information System Application on Forest Legislation: The Case of Greek Forest Principles <i>Antonios Athanasiadis and Zacharoula Andreopoulou</i>	Monitoring of Wild Animal Species in the Czech Republic <i>Michal Stočes, Jan Jarolímek, Jan Masner, Miloš Ježek, Jiří Vaněk and Martina Konečná</i>
	Poster Session	
	Ontology-driven Advice and Decision-making within Knowledge Dissemination for Extension <i>Yuriy Chaplinsky and Olena Subbotina</i>	
	Participatory Planning and Local Economic Development: A Case Study of Northeast Halkidiki <i>Charitini Kantemeridou, Georgios Tsantopoulos, Stilianos Tampakis and Paraskevi Karanikola</i>	
	The Impact of Information and Communication Technologies as a Tool to Facilitate Growth in the Manufacturing Sector in Republic of Kosovo <i>Albert Aliu and Arbnor Halili</i>	
	Relative Humidity and Land Use Changes in an Environmentally Stressed Area (Thrasio Plain – Greece) <i>Anastasios Mavrakis and Hristina Papavasiliou</i>	
	Study on Citizens' Information about Forest Fires: The Case of Kavala <i>Paraskevi Karanikola, Stilianos Tampakis, Garyfallos Arabatzis and Aristidis Maheridis</i>	
	Crude Protein Content Determination of Potatoes by NIRS Technology <i>Ainara López, Silvia Arazuri, Carmen Jarén, Jesús Mangado, Pedro Arnal, José Ignacio Ruiz de Galarreta, Patrick Riga and Raquel López</i>	
	NDVI and E. de Martonne Indices in an Environmentally Stressed Area (Thrasio Plain – Greece) <i>Anastasios Mavrakis and Hristina Papavasiliou</i>	
	Detecting Asset Impairment Management: Some Evidence from Food and Beverage Listed Companies <i>Ekaterini C. Laskaridou and Athanasios Vazakidis</i>	
	Measuring the Accuracy of a Pesticide Treatment by an Image Analyzer <i>Jesús Mangado, Silvia Arazuri, Pedro Arnal, Carmen Jarén and Ainara López</i>	
	Productivity and Efficiency in the Agri-Food Production Industry: The Case of Fisheries in Greece <i>Fotini Voulgaris and Christos Lemonakis</i>	
18:45-19:30		
20:30	Official Conference Dinner	
Saturday 21 September		
08:30-09:00	HAICTA 2013 Registration	
09:00-09:20	Invited Talk e-Government Research and Services at an Era of Economic Crisis <i>Prof. Alexandros B. Sideridis</i>	
	COST Session COST in Action for ICT, Agriculture, Food and Environment Chair: Soulla Louca	
	The COST Programme	
	ENERGIC and Mapping the Citizen Sensor <i>Vyron Antoniou</i>	
	Spectral Sampling Tools for Vegetation Biophysical Parameters and Flux Measurements in Europe <i>Loris Vescovo</i>	
09:20-11:20	Plant Virus Control Employing RNA - based Vaccines: A Novel Non-transgenic Strategy <i>Andreas Voloudakis</i>	
	Statistical Challenges on the 1000 Genome Sequences in Plants <i>Peter Sykacek</i>	
	New Possibilities for Print Media and Packaging - combining Print with Digital <i>Anu Seisto</i>	
	Improving Data and Information on the Potential Supply of Wood Resources: A European Approach from Multisource National Forest Inventories (USEWOOD) <i>Annemarie Bastrup - Birk</i>	
11:20-11:30	Coffee Break	
	Session 7 (Room A) E-business and E-government Chairs: Francesco Contò & Stavros Valsamidis	Session 8 (Room B) Green ICT Technologies Chairs: Oleksandr Chernyak & Markos Avlonitis
11:30-13:00	Measuring Users Satisfaction of an e-Government Portal <i>Thomas Bournaris, Basil Manos, Christina Moulgianni, Fedra Kiomourtzi and Manuela Tandini</i>	An Analysis of Waste and Information Flows in an ICT Waste Management System <i>Maria-Chrysovalantou Emmanouil, Emmanouil Stiakakis, Maria Vlachopoulou and Vasiliki Manthou</i>
	WoodB: A DBMS Approach as a Marketing Tool for Wood Entrepreneurship	"Corporate System" and Green Economy in Campania Region: A Collaborative Platform for the Excellences

	<i>Ioakeim Tzoulis, Zacharoula Andreopoulou, Christiana Koliouka, George Tsekouropoulos and Vagis Samathrakis</i>	<i>R. Misso, G.P. Cesaretti, N. Marinelli, I. Viola and I.P. Borrelli</i>
	Predicting Consumer's Perceptions in on-line Shopping <i>Athanasios Mandilas, Anastasios Karasavoglou, Michael Nikolaidis and Lambros Tsourgiannis</i>	Company Characteristics and Human Resource Disclosure in Greece <i>Athanasios Vazakidis, Antonios Stavropoulos and Despina Galani</i>
	A Toolbox for Impact Assessment and Sustainability <i>Klaus Jacob, Stratos Arampatzis, Basil Manos and Thomas Bournaris</i>	The Environmental Profile of Dairy Farms in Central Macedonia (Greece) <i>Zaphiris Abas, Athanasios Ragkos, Ioannis Mitsopoulos and Alexandros Theodoridis</i>
13:00-13:20	Dissemination Event "A" ICT and Innovation in the New Programming Period for Rural Development in Greece 2014-2020 <i>Managing Authority of the "Rural Development Programme of Greece 2007-2013"</i>	
13:20-14:00	Dissemination Event "B" 1. Mr Vasilios Mavridis, CONTROLA S.A. – Earth Monitoring 2. Mr Dimitrios Kouvas, ScientAct S. A. - Applied Telemetry Examples of Precision Agriculture 3. Mr Adonis Kontos, Marathon Data System - Applications for Geographic Information Systems Arc GIS (In Greek)	
14.00-15.15	Lunch Break	
15.15-16.45	Session 9 (Room A) Mobile Internet and Web Applications Chairs: Miklós Herdon & Alexandros Theodoridis	Session 10 (Room B) Environmental Design and Policy Chairs: Jan Jarolimek & Miltiadis Chalikias
	FarmManager: An Android Application for the Management of Small Farms <i>Theodoros Lantzou, George Koykoyris and Michail Salampasis</i>	Environmental Education: Issue Water: Different Approaches in Secondary General and Technical Lyceum in a Social and Environmental Stressed Area in Greece <i>Christina Papavasileiou and Anastasios Mavarakis</i>
	Oasis: A Greenhouse Sustainability Web Automated Project <i>Konstantinos Kasiotis, Fotis Andrinopoulos, Voula Kalliakaki and Kyriaki Machera</i>	Greek and European Legal Framework Environmental and Ecological Laws. An Interactive Application <i>Dimosthenis Mpoutakidis and Konstantinos Soutsas</i>
	Mobile Internet Users Profile along With Subscribers Model of Payment and Attitudinal Characteristics <i>Costas Assimakopoulos</i>	Environmental Education Centers and Local Communities: A Case Study <i>Electra Pitoska and Themistokles Lazaridis</i>
	Application of Mobile Technologies through an Integrated Management System for Agricultural Production <i>Aglaia Liopa-Tsakalidi, Dimitrios Tsolis, Pantelis Barouchas, Athanasia-Eleftheria Chantzi, Athanasios Koulopoulos and Nikolaos Malamos</i>	Photovoltaic Power Plants as a Source of Electromagnetic Interference to Metallic Agricultural Pipelines <i>Georgios Christoforidis, Theofilos Papadopoulos, Constantinos Parissis and Georgios Mantzaras</i>
		Alternative Crops - Problems and Prospects: A Comparative Research of Landowners' Views in the Prefectures of Rodopi and Evros <i>Georgios Tsantopoulos, Dimitra Tsoulakaki, Stilianos Tampakis, Christos Karelakis and Spyridon Mamalis</i>
16.45-17.00	Coffee Break	
17:00-18:30	Session 11 (Room A) Technologies and Marketing Chairs: Jane Hunter & George Tsekouropoulos	Session 12 (Room B) ICT Adoption Chairs: Zacharoula Andreopoulou & Vassilis Chrissikopoulos
	Automatic Identification of Gasoline - Biofuel Blend Type in an Internal Combustion Four-stroke Engine Based on Unsupervised Novelty Detection and Active Learning <i>Xanthoula Eirini Pantazi, Dimitrios Moshou, Dimitrios Kateris, Ioannis Gravalos and Panagiotis Xyradakis</i>	Aspects of Incorporation of ICT in the Greek Agricultural Enterprises: The Case of a Prefecture <i>Maria Botsiou and Vassilios Dagdilelis</i>
	Consumers' Attitudes Towards Fisheries Products <i>Eleni Kaimakoudi, Konstantinos Polymeros, Maria-Georgia Schinaraki and Christos Batzios</i>	Assessment of ICT Adoption Stage for Promoting the Greek National Parks <i>Christiana Koliouka and Zacharoula Andreopoulou</i>
	Introducing Direct Costing and Activity Based Costing in a Farm Management System: A Conceptual Model <i>Giacomo Carli and Maurizio Canavari</i>	Reduce the Digital Gap by Increasing e-Skills <i>László Várallyai and Miklós Herdon</i>
The Chaotic Price Growth Model of the Agricultural Monopoly and New Information and Communication Technology <i>Vesna Jablanovic</i>	Determinants of User Adoption of e-Government Services in Greece and the Role of Citizen Service Centres <i>Anastasia Voutinioti</i>	
18:30-19:00	Plenary Session - Closure	
20:30	Closing Event	
Sunday 22 September		
09:00 – 13:00	4-Hour tour in Corfu Landmarks (for details check the social events page)	