

**Thursday 6 June 2002**

<b>8.30-10.00</b>	<b>Registration</b>		
<b>University Congregation Hall</b>			
<b>10.00-10.30</b>	<b>Opening of the Conference</b>		
<b>10.30-11.30</b>	<b>Key note Address</b> <b>Chairman: A.B. Sideridis</b> <b>Session Panel: Sidney Cox, Gerhard Schiefer</b>  ICT trends and prospects for the Agriculture in Greece <b>Alexander Sideridis</b>  The Application of Information Technology to Agriculture. Its Present Status and Future Development <b>Sidney Cox</b>  The New Technologies and their impact to Agriculture, the Environment and the Food Industry. <b>Gerhard Schiefer</b>		
<b>11.30-12.00</b>	<b>Coffee</b>		
<b>Agricultural Museum Building</b>			
	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>
<b>12.00-13.30</b>	<b>Session 1 A E-commerce -I</b> <b>Chairman: A. Tsakalidis</b>  1. Use of Intelligent Agents in the E-Agribusiness Environment, S. Karetsos, C. Costopoulou, M. Lambrou, V. Zorkadis 2. A Portal For Agricultural and Agribusiness Network Maro Vlachopoulou, Vicky Manthou 3. Business-To-Business E-Commerce: An Innovative Tool For Effective Food Chain Management Ilias P. Vlachos	<b>Session 1 B Precision Agriculture</b> <b>Chairman: T. Matsuda</b>  1. Precision Farming Experience in Europe and the Greek Potential T. Gemtos, S. Fountas, , B.S. Blackmore, H.W. Greipentrog  2. Implementation of a Complete Precision Farming Decision Making System in Greek Farms Michalis Papaeconomou  3. Precision Farming Trough Internet and Mobile Communication Pavel Gnip , Stanislav Holy , Stepan Kafka , Karel Charvat	<b>Session 1 C Education &amp; Training</b> <b>Chairman: J. Steefe</b>  1. Education of ICT Experts in Agricultural Universities Ivan Vrana  2. ICTs and Regional Development. The ISDN Service of Tele-Education, as a Tool for the Development of Mountainous Regions in Greece. Zacharoula S. Andreopoulou, Demosthenis G.Theoharopoulos, Anastassios C. Papastavrou  3. Principles of Precision Agriculture: Establishment of a New Course in an Innovative Curriculum at the Dimitris Perrotis College of Agricultural Studies at the American Farm School. Athanasios C. Gertsis.Dimitris Perrotis, George C. Vellidis, Evangelos A. Vergos.
<b>13.30-15.00</b>	<b>Lunch</b>		
<b>15.00-</b>			

16.30	<b>Session 2 A E-commerce-II</b> <b>Chairman: I. Vrana</b> <ol style="list-style-type: none"> <li>E-Commerce in Agriculture: Applications, Impacts, Benefits and Drawbacks Maria Roumana, Maro Vlachopoulou, Basil Manos</li> <li>A Horticultural Vortal for Mediterranean Countries S. Karetsos, C. Costopoulou, H.C. Passam, J. Karapanos</li> <li>E-Commerce in the Czech Agriculture Jirina Slaisova, Frantisek Vanicek</li> <li>e advice: Adaptation of Agricultural Advisory Services to ebusiness I.Thysen, J.G. Hansen, A.L. Jensen</li> </ol>	<b>Session 2 B ICT in Crop Production</b> <b>Chairman: E. Gelb</b> <ol style="list-style-type: none"> <li>Planning Crop Production in Arid Environment of Kuwait M. Abdal and M. Suleiman</li> <li>A Concept of the Evaluation Module of Potato Technology Variants Jacek Holaj, Andrzej S. Zaliwski</li> <li>Yield Mapping of Cotton Crop in Greece Ath. Markinos, T.A.Gemtos, L. Toulis, D. Pateras, G. Zerva</li> <li>Design, Construction and Testing of an Instrumented Tractor to Measure Forces on Agricultural Implements and Energy Consumption during field work I. Papathanassiou Ch. Kavalaris Ch. Karamoutis T.A.Gemtos</li> </ol>	<b>Session 2 C ICT in Food Industry</b> <b>Chairman: C. Kittas</b> <ol style="list-style-type: none"> <li>Wireless Communication in the Agri/Food-Industry Karel Charvat</li> <li>Food Marketing and the Web. Is the Web Presence of Food Firms Residing in Different Geographical Areas the Same Or Different? Peter Mplouhos, George Chrysochoidis</li> <li>Food Safety Chain Using IT Tomoyoshi Matsuda, Makito Hirose</li> </ol>
20.00	<b>Reception by the Mayor of Athens</b>		

**Friday 7 June 2002**

<b>Agricultural Museum Building</b>			
	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>
09.00-10.30	<b>Session 3A Intelligent Systems in Agriculture-I</b> <b>Chairman: S.Cox</b> <ol style="list-style-type: none"> <li>A Multi-Agent System for monitoring the production of the microbial polysaccharide gellan Ioannis Giavasis, Eleni E. Mangina</li> <li>Fuzzy Set Theory in Agricultural Systems Research Athena Tocatlidou</li> </ol>	<b>Session 3 B GIS-I</b> <b>Chairman: N.Syllaios</b> <ol style="list-style-type: none"> <li>FIGO:Fuzzy Interoperable Geographical Object. An Approach of Enhancing Spatial Objects with Fuzzy Behavior, M. Sabrakos, C.P Yialouris, Th. Tsiligiridis</li> <li>Neural Networks for Landscape Applications Thomas Glezakos, Theodore Tsiligiridis</li> </ol>	<b>Session 3 C Green house technologies</b> <b>Chairman: G. Mavrogiannopoulos</b> <ol style="list-style-type: none"> <li>Design Optimization of Greenhouse Heating and Ventilation Systems with Numerical Methods Bartzanas Thomas and Kittas Constantinos</li> <li>Computer-Controlled Recycling of Nutrient Solutions in Hydroponics by Means of two Alternative Models</li> </ol>

	3. NEST: The Web Dimension of a Knowledge Storage Technique Michael T. Maliappis	3. Geotechnologies in Agriculture Leonidas G. Toullos	Dimitrios Savvas, Ioannis Tsirogiannis  3. "GEM", an e-Community for the dissemination of information on Greenhouse Technology S. Tsalapatas, P. Giaglaras, S. Kavouras, P. Karaiskou, C. Kittas
<b>10.30-11.00</b>	<b>Coffee</b>		
<b>11.00-13.00</b>	<b>Session 4 A DSS</b> <b>Chairman: G. Schiefer</b>  1. A Decision Support System Approach for Monitoring and Sustainable Management of Strymon River Th. Bournaris, B. Manos, N. Silleos, V. Antonopoulos  2. A Decision Support System in Irrigated Agriculture Odysseus Manoliadis, George Karantounias  3. A Decision Support System for Farm Regional Planning I. Papathanasiou, I. Vassiliadou, M. Vlachopoulou, B. Manos  4. Scenario Based Decision Making in the Broiler Industry Using the BRODESSYS Decision Support System Eleni Kalentzi, Christos Batzios, Michail Salampassis  5. New Agricultural Products Development Using Data Mining Techniques and Multicriteria Methods N.F. Matsatsinis.	<b>Session 4 B GIS-II</b> <b>Chairman: G. Migiros</b>  1. Presentation of the Basic Farm Structure Survey 2000 Using GIS. A Case Study in Some Regions of Greece Vasiliki Benaki, Marios Sabrakos, Theodore Tsiligiridis  2. A GIS Application for the Integrated Water Resources Management of Naxos Island (Greece) Nicholas Dercas, Konstantinos Soulis, Spyros Kyritsis  3. Production of Suitability Maps for N-Fertilizers Use Using GIS Model Building Capabilities D.P. Kalivas, J.H. Assimakopoulos, V.J Kollias  4. Computer mapping and statistical modeling of the expansion of major aphids in Greece Elias Zintzaras and John A. Tsitsipis	<b>Session 4 C Multimedia Applications</b> <b>Chairman: T.Tsiligiridis</b>  1. Common Weeds of Greece on CD-ROM Morphology - Biology- Control Petros Ch. Lolas, Alexios P. Lolas  2. Peach Cultivation in Greece G Daoutopoulos, M. Vasilakakis, G. Ioannidis, A. Aleksandridis and A. Economidis
<b>13.00-14.15</b>	<b>Lunch</b>		
<b>14.15-15.15</b>	<b>Session 5 A Intelligent Systems in Agriculture-II</b> <b>Chairman: H.C. Passam</b>  1. Making Use of Agent - Based Technology In Agricultural Applications Eleni E. Mangina  2. Model-Based Diagnosis in Diagnostic Expert Systems: Agricultural applications with a case study of vegetable pests and diseases	<b>Session 5 B Internet Application</b> <b>Chairman: G. Gemtos</b>  1. An Internet Application on the Transmission of Agricultural Data N. Gitsakis, G. Nikolaidis, X. Ganatsiou, S. Tzortzios.  2. Identifying Use and Impact of the Internet in the Greek Agricultural Sector: Preliminary Results of a Survey of Web Site	<b>Session 5 C Workshop on Projects-I</b> <b>Chairman: A. Offer</b>  1. Agroweb: An Innovative Approach to the Usage of the Internet in an Interdisciplinary Framework Vagelis Anastasiou, Athena Bazou, Stavros Savas, Sofoklis Sotiriou, Athena Sidiropoulou, Giorgos Tsakarissianos

	<p>B. D. Mahaman, A. B. Sideridis, C.P. Yialouris</p> <p>3. A Decision Support System for Insect Identification and Forest Protection: A Case Study of Pine, Fir and Chestnut Forests S. Kaloudis, D. Anastopoulos, C. P. Yialouris, N.A. Lorentzos, A.B. Sideridis</p>	<p>Owners Michail Salampasis ,Christos Batzios,Vagis Samathrakis, Stavros Androulidakis</p> <p>3. Interactive Diagnosis Through Low Bandwidth Network Infrastructure in Rural Areas: Application to crop and animal diseases diagnosis Y. Koumporos, B.D. Mahaman, M. Maliappis, H.C. Passam, A.B. Sideridis, V. Zorkadis</p> <p>4. Internet Decision Support for Integrated Plant Protection In Poland Andrzej S. Zaliwski</p>	<p>2. Innovative Mobile-ICT Services in Agriculture in the island of Crete Manolis Stratakis, Thanassis Kalyvas, Antonis Miliarakis</p> <p>3. Implementation of <i>Go-digital project</i> in Greece: The first results X. Tsilimparis</p>
<b>15.15-15:30</b>	<b>Coffee</b>		
<b>15:45-17:00</b>	<p><b>Session 6 A System Design Aspects</b> <b>Chairman: N. Lorentzos</b></p> <p>1. Information and Communication Technologies in Environmental Engineering, Agricultural and Food Quality Management: Security, Privacy and Copyright protection issues V. C. Zorkadis</p> <p>2. A Natural Language Interface for Greek Relational Databases Bouligaraki Maria, Syllaios George</p>	<p><b>Session 6 B ICT in Agricultural Development</b> <b>Chairman J. Tsitsipis</b></p> <p>1. Making A "Dotcom" Work: UK Experience One Year On Andy L Offer</p> <p>2. ICT and Rural Development: Critical Remarks Alex Koutsouris</p> <p>3. Constraints on ICT Adoption by Farmers and Extension E. Gelb C. Parker, P. Wagner, K. Roskopf</p> <p>4. Information and Communication Technologies in Turkish Agriculture Kamil Okyay Sindir</p>	<p><b>Session 6 C Workshop on Projects-II</b> <b>Chairman: S. Tzortzios</b></p> <p>1. Επιχειρησιακή Εφαρμογή Εκτίμησης Ζημιών από Ξηρασία στα Σιτηρά του Νομού Λάρισας με τη Χρήση Τηλεπισκόπησης και Γεωγραφικών Συστημάτων Πληροφοριών Νικόλαος Συλλαίος Γεώργιος Πετσάνης, Θωμάς Αλεξανδριδης, Νικόλαος Καραπέτσας</p> <p>2. An Integrated Management Information Systems in Hydroponics A. Liopa Tsakalidis, G.N. Mavrogiannopoulos, H.C. Passam, D.Savvas, A.B. Sideridis, C.P. Yialouris</p> <p>3. Innovative technologies and improved vocational training for the production and marketing of fresh fruits and vegetables (The FRELECTRA project) Vasso Argyropoulou</p>
	<p><b>Session 6 D ICT in Environment</b> <b>Chairman: J. Tsitsipis</b></p> <p>1. Providing Agro-Environmental Diagnosis at Farm Level: Needs and Perspectives from French Situation Jerome Steffe, Bernard Del Homme, Marilyns Pradel</p> <p>2. A prototype of a DSS for monitoring the implication of radionuclides and open waste burning in the environment G. Arapis, E. Bempelou, F. Lefkaditis, A. B. Sideridis and C. P. Yialouris</p>		
<b>17.00-18.00</b>	<p><b>Round Table Discussion: ICT and Rural Development</b> <b>Chairman: A.B. Sideridis</b></p> <p><b>Introductory presentation: Isidro Laso</b></p>		

	<b>Session Panel: S. Cox, E. Gelb, I. Lazo, B.Manos, A. Offer, G.Schifer,N.Syllaios, S.Tzortzios</b>
<b>18.00-19.30</b>	<b>EFITA Board Meeting</b>
<b>21.00</b>	<b>Farewell Dinner</b>