International Conference on
INTELLIGENT NETWORKING AND COLLABORATIVE SYSTEMS
(INCoS 2010)

Thessaloniki, Greece
November 24 -26, 2010

CONFERENCE PROGRAM

ORGANISED BY:

HELLENIC REPUBLIC
UNIVERSITY OF MACEDONIA
ECONOMIC & SOCIAL SCIENCES

ARISTOTLE UNIVERSITY OF THESSALONIKI

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ECONOMIC & SOCIAL SCIENCES
Research Committee

NYC
New York, Thessaloniki, Greece

	WEDNESDAY 24/11/2010			
8:30	REGISTRATION			
9:00-9:30	OPENING (welcome speeches)			
9:30-10:30	**AVOURIS KEYNOTE**			
10:30-11:00	*COFFEE BREAK*			
11:00-13:15	**S1**	**S3**	**S8**	**S9**
13:15-14:30	*LUNCH BREAK*			
14:30-15:30	**PARDALOS TUTORIAL**			
15:30-16:30	**CABALLE TUTORIAL**			
16:30-17:00	*COFFEE BREAK*			
17:00-18:45	**S4**	**S5**	**S7**	**S10**

19:30	WELCOME RECEPTION - COCKTAIL MEETING

	THURSDAY 25/11/2010				
8:30	REGISTRATION				
9:00-10:00	**BAROLLI KEYNOTE**				
10:00-10:30	*COFFEE BREAK*				
10:30-12:30	**CINS-1**	**CIDM-1**	**IWASCL-1**	**S2**	
12:30-14:00	*LUNCH BREAK*				
14:00-16:00	**CINS-2**	**CIDM-2**	**IWASCL-2**	**S6**	**WIND-1**
16:00-16:30	*COFFEE BREAK*				
16:15-19:00	SOCIAL EVENT (Visit to ARCHAEOLOGICAL MUSEUM)				

20:00	CONFERENCE DINNER

	FRIDAY 26/11/2010		
8:30	REGISTRATION		
9:00-10:00	**GELENBE KEYNOTE**		
10:00-10:30	**POSTERS**	*COFFEE BREAK*	
10:30-11:00		**PANEL**	**WIND-2**
11:00-12:30		**POSTERS**	
12:30-14:00	*LUNCH BREAK*		
14:00-15:30	INCoS CONFERENCE CLOSING MEETING -- ORGANIZING COMMITTEE MEETING		

TUESDAY 23 NOV

18:00-20:30	**REGISTRATION**

SESSION WEDNESDAY 24 NOV

8:30	**REGISTRATION**
9:00-9:30	**OPENING**
IASON HALL	**Chair: Fatos Xhafa**
9:30-10:30	**PROF. N. AVOURIS KEYNOTE**
IASON HALL	**Chair: Stavros Demetriadis**
10:30-11:00	*COFEE BREAK*
	MORNING PARALLEL SESSIONS
S1 (11:00-13:15)	**TRACK: - Data mining and knowledge management for intelligent networking and collaborative systems**
SITHONIA II HALL	**Chair: Nik Bessis**

- Ahmed Nagy, Mercy Njima and Lusine Mkrtchyan. *A Bayesian Based Method for Agile Software Development Release Planning and Project Health Monitoring*
- Gerard Roma and Perfecto Herrera. *Community structure in audio clip sharing*
- Claude Moulin and Cristian Lai. *Indexing Patterns Within a Distributed System*
- Fatos Xhafa, Santi Caballe, Alberto Molina, Rozeta Miho and Leonard Barolli. *A Biclustering Algorithm for Analyzing Online Users Activity in a Virtual Campus*
- Marenglen Biba and Fatos Xhafa. *Learning Structure and Schemas from Heterogeneous Domains in Networked Systems: A survey*

S3 (11:00-13:15)	**TRACK: - Security, organization, management and autonomic computing for intelligent networking and collaborative systems**
KASSANDRA I HALL	**TRACK: - Intelligent networking for virtual organizations and campuses** **TRACK: - Collaborative Healthcare Systems: Issues, Solutions, and Trends** **Chair: Richard Hill** ● Stavros Isaiadis, David Snelling, Vivian Lee, Paul Lipton and Jeffrey Vaught. *Symptoms Automation Framework for Cloud Business Alignment* ● Apostolos Kostas and Alivisos Sofos. *Internet-Mediated Communities of Practice (IMCoPs) A Meta-Analysis of Critical Elements* ● Richard Hill. *Agency and the Virtual Campus: The TrAM Approach* ● Demosthenes Akoumianakis and Giannis Milolidakis. *Clinical practice guideline management information systems: Cancer guidelines as boundary spanning tranformable objects of practice* ● Israa Al-Qaysi, Rainer Unland, Claus Weihs and Cherif Branki. *Medical Optimal Decision Making under Uncertainty without Assuming Independence of Symptoms*
S8 (11:00-13:15)	**TRACK: - Intelligent collaborative systems for work and learning**
ALEXANDROS HALL	**Chair: Alexandros Paramythis** ● Irene-Angelica Chounta and Nikolaos Avouris. *Study of the effect of awareness on synchronous collaborative problem-solving* ● Christos Foutsitzis and Stavros Demetriadis. *Teaching Algorithms with the Use of a Web-based Scripted Collaboration Environment and Algorithm Visualization Tool. Results from a case study* ● Tania Kerkiri and Spyros Papadakis. *Design and implementation of a Learning Outcomes Authoring Tool: Supporting the Educator to be Learning Designer* ● Apostolos Mavridis, Andreas Konstantinidis and Thrasyvoulos Tsiatsos. *Collaboration in 3D Collaborative Virtual Learning Environments: Open Source vs. Proprietary solutions*
S9 (11:00-13:15)	**TRACK: - Special track for Networking and Collaboration for People with Special Needs**
SITHONIA I HALL	**Chair: Charalambos Karagiannides** ● Demetrios Sampson and Panagiotis Zervas. *Technology-enhanced Training for People with Disabilities: The eAccess2Learn Framework* ● Stamatis Georgoulis, Stefanos Eleftheriadis, Dimitrios Tzionas, Konstantinos Vrenas, Panagiotis Petrantonakis and Leontios Hadjileontiadis. *Epione: An Innovative Pain Management System Using Facial Expression Analysis, Biofeedback and Augmented Reality-Based Distruction* ● Eleni Morfidi, Nikiforos Papachristos and Tassos A. Mikropoulos. *Teachers' implementation of a hypermedia application for children with severe learning disabilities*

	● Marina Kandroudi and Tharrenos Bratitsis. *Children with Asperger Syndrome and Computer Supported Collaborative Learning activities. A case study in a 3rd Grade mixed class* ● Konstantina Chatzara, Charalampos Karagiannides and Dimosthenis Stamatis. *An Intelligent Emotional Agent for Students with Attention Deficit Disorder*
13:15-14:30	*LUNCH BREAK*
14:30-15:30 **IASON HALL**	**TUTORIAL: Computational Challenges with Cliques, Quasi-Cliques and Clique Partitions in Networks** **Chair: Panos Pardalos**
15:30-16:30 **IASON HALL**	**TUTORIAL: Intelligent Tools for Networking and Collaborative Learning** **Chair: Santi Caballe**
16:30-17:00	*COFEE BREAK*
	AFTERNOON PARALLEL SESSIONS
S4 (17:00-18:45) **ALEXANDROS HALL**	**TRACK: - Intelligent collaborative systems for work and learning** **Chair: Vassileios Dagdilelis** ● Stephen Benton, Boris Altemeyer and Bryan Manning. *Behavioural prototyping: making interactive and intelligent systems meaningful for the user* ● Mirjam Köck and Alexandros Paramythis. *Towards Adaptive Learning Support on the Basis of Behavioural Patterns in Learning Activity Sequences* ● Anastasios Karakostas, Stavros Demetriadis, Giorgos Psathas and Andreas Pombortsis. *FlexColLab: A Tool for the Flexible Design of Online Collaborative Learning Activities based on the Adaptation Patterns* ● Kiriakos Patriarcheas, Spyridon Papaloukas and Michalis Xenos. *Text based computer-mediated communication: A system for automated interpretation of discussion threads in distance education fora by using formal languages*
S5 (17:00-18:45) **SITHONIA I HALL**	**TRACK: - Intelligent collaborative systems for work and learning** **Chair: Thrasyvoulos Tsiatsos** ● Nicola Capuano, Sergio Miranda, Anna Pierri, Giuseppina Rita Mangione and Pierluigi Ritrovato. *Design and Execution of Dynamic Collaborative Learning Experiences* ● Ioannis Magnisalis, Stavros Demetriadis and Andreas Pombortsis. *Implementing Adaptive Techniques in Systems for Collaborative Learning by extending IMS-LD capabilities*

	● Themistoklis Chronopoulos and Ioannis Hatzilygeroudis. *An intelligent system for monitoring and supervising lessons in LAMS* ● Florian König and Alexandros Paramythis. *Collaboration Contexts, Services, Events and Actions: Four Steps Closer to Adaptive Collaboration Support in IMS LD*
S7 (17:00-18:45)	**TRACK: - Intelligent collaborative systems for work and learning**
SITHONIA II HALL	**Chair: Kyparisia Papanikolaou**
	● Kyparisia Papanikolaou and Evangelia Gouli. *Collaboration as an opportunity for individual development* ● Iro Voulgari and Vassilis Komis. *Antecedents of Collaborative Learning: Insights from Massively Multiplayer Online Games* ● Georgios Kahrimanis, Irene-Angelica Chounta and Nikos Avouris. *Determining relations between core dimenisons of collaboration quality - A multidimensional scaling approach* ● Yannis Bouyias and Stavros Demetriadis. *Cognitive Processes Induced from Fading-out of the Collaboration Script during Argumentation*
S10 (17:00-18:45)	**TRACK: - Special track for Networking and Collaboration at School (educators' track)**
KASSANDRA I HALL	**Chair: Tharrenos Bratitsis**
	● Michalis Feidakis and Thanasis Daradoumis. *A five-layer approach in Collaborative Learning Systems design with respect to emotion* ● Eleni Tsakiridou, Argyris Kyridis, Nikolaos Fachantidis and Christos Zagos. *Students and mobile phone* ● Agoritsa Gogoulou, Evangelia Gouli and Maria Grigoriadou. *e-ECLiP: a web-based environment supporting exploratory and collaborative learning in programming* ● Tharrenos Bratitsis and Marina Kandroudi. *Improving 3rd Grade Students' Writing ability via Asynchronous Discussions: A Case Study*
19:30	**WELCOME RECEPTION**
HOTEL CONGRESS LOBBY	

SESSION	THURSDAY 25 NOV
8:30	**REGISTRATION**
9:00-10:00	**PROF. L. BAROLLI KEYNOTE**
IASON HALL	**Chair: Fatos Xhafa**
10:00-10:30	*COFEE BREAK*
	MORNING PARALLEL SESSIONS
S2 (10:30-12:30)	**TRACK: - Grid and P2P distributed infrastructure for intelligent networking and collaborative systems**
SITHONIA II HALL	**TRACK: - Wireless and sensor systems for intelligent networking and collaborative systems**
	Chair: Leonard Barolli
	● Sayed Chhattan Shah. *Resource Allocation Scheme to Minimize Communication Cost in Mobile Ad Hoc Computational Grids*
	● Leonard Barolli. *Performance Evaluation and Comparison of Fuzzy-based Intelligent CAC Systems for Wireless Cellular Networks*
	● Nicola Corriero. *An embedded solution for managing an ad-hoc wireless network*
	● Asvija B, Shamjith KV, Sridharan R and Subrata Chattopadhyay. *Provisioning the MM5 meteorological model as Grid Scientific Workflow*
	● Fatemeh Deldar and Mohammad Hossien Yaghmaee. *Energy Efficient Prediction-based Clustering Algorithm for Target Tracking in Wireless Sensor Networks*
10:30-12:30	**CINS'10 WORKSHOP (PART I)**
ALEXANDROS HALL	**Chair: Richard Hill**
10:30-12:30	**CIDM 2010 WORKSHOP (PART I)**
SITHONIA I HALL	**Chair: Nik Bessis**

10:30-12:30 **KASSANDRA I HALL**	**IWASCL 2010 WORKSHOP (PART I)** **Chair: Stavros Demetriadis**
12:30-14:00	*LUNCH BREAK*
	AFTERNOON PARALLEL SESSIONS
S6 (14:00-16:00) **SITHONIA II HALL**	**TRACK: - Intelligent collaborative systems for work and learning** **TRACK: - Intelligent networking for social networks** **Chair: Thrasyvoulos Tsiatsos** ● Chih-Chun Chen. *A multi-level study of free-loading in dynamic communities: The importance of initial network topology* ● Didac Gil de la Iglesia. *Enhancing Mobile Learning Activities by the Use of Mobile Virtual Devices* ● Sergio Toral, Francisco Cortés Martínez, Federico Barrero García and Derlis Gregor Recalde. *Development of a Bluetooth CORBA based Intelligent Infrastructure for Multi-user Urban Environments* ● Demosthenes Akoumianakis and Alexandraki Chrisoula. *Understanding Networked Music Communities through a practice-lens: Virtual 'tells' and cultural artifacts*
14:00-16:00 **ALEXANDROS HALL**	**CINS'10 WORKSHOP (PART II)** **Chair: Richard Hill**
14:00-16:00 **SITHONIA I HALL**	**CIDM 2010 WORKSHOP (PART II)** **Chair: Eleana Asimakopoulou**
14:00-16:00 **KASSANDRA I HALL**	**IWASCL 2010 WORKSHOP (PART II)** **Chair: Stavros Demetriadis**

14:00-16:00 **VERGINA HALL**	**WIND 2010 WORKSHOP (PART I)** **Chair: Mario Koeppen**
16:00-16:30	*COFEE BREAK*
16:15-19:00 Bus boarding at 16:15 in front of Capsis Hotel	**VISIT to ARCHAEOLOGICAL MUSEUM**
20:00 **CAPSIS HOTEL - THEODORA HALL**	**CONFERENCE DINNER**

SESSION	FRIDAY 26 NOV
8:30	**REGISTRATION**
9:00-10:00	**PROF. E. GELENBE KEYNOTE**
IASON HALL	**Chair: Mario Koeppen**
10:00-10:30	*COFEE BREAK*
	MORNING PARALLEL SESSIONS
10:00-12:30	**POSTER SESSION**
SITHONIA I & II HALL	● Farhoud Hosseinpour, Kamalrulnizam Abu Bakar and Amir Hatami Hardoroudi. *Design of a New Distributed Model for Intrusion Detection System Based on Artificial Immune System* ● Katsuichi Nakamura, Masato Tsuru and Yuji Oie. *On the Framework for Network Measurement as a Service -- The perfSONAR-based integrated network management* ● Dirceu Cavendish, Kazumi Kumazoe, Masato Tsuru, Yuji Oie and Mario Gerla. *Transmission Control Protocols Evaluation over Satellite Networks* ● Akihiro Fujihara and Hiroyoshi Miwa. *On two phase transitions of relaxation times in an epidemic data gathering with mobile peers on graphs* ● Katsuichi Nakamura, Takeshi Ikenaga and Yuji Oie. *Performance Evaluation of Priority and Path Control Schemes for Grid Applications* ● Simon Polovina and Iain Stalker. *TOASTIE: Transaction-Oriented Architecture for Structuring the Totally Integrated Enterprise* ● Shaun Bridges and Simon Polovina. *Semantic Enterprise Architectures through Common Logic and TOGAF* ● Hua Ye. *How Do Networks Matter for MNC Flexibility and Post-entry Mode Change*
10:30-12:00	**PANEL DISCUSSION: Emerging Trends and Challenges to Intelligent Collaborative Systems at Global Scale**
IASON HALL	**Chair: Fatos Xhafa**

10:30-12:30 **VERGINA HALL**	**WIND 2010 WORKSHOP (PART II)** **Chair: Akira Arutaki**
12:30-14:00	*LUNCH BREAK*
14:00-15:30 **IASON HALL**	**INCoS 2010 CLOSING MEETING & ORGANIZING COMMITTEE MEETING**