

INCoS 2009 Preliminary Program

Day 1 – Wednesday, Nov. 4th

Registration at the conference place

Reception Desk, Wednesday, 8:00

INCoS 2009 Welcome

Begoña Gros, Vice rector of Innovation at the Open University of Catalonia

Fatos Xhafa, General co-Chair of INCoS 2009

2nd Floor. Room A, Wednesday, 9:00

Keynote Panos M. Pardalos (Plenary talk)

2nd Floor. Room A, Wednesday, 9:30

Coffee Break. 2nd Floor. Room C, Wednesday, 10:30

Intelligent networking for social networks, virtual organizations and campuses I

2nd Floor. Room A, Wednesday, 11:00 (Session chair: Youakim Badr)

14. Zakaria Maamar, Leandro Krug, Youakim Badr, Said Elnaffar. Even Web Services Can Socialize: A New Service-Oriented Social Networking Model

23. Angela Fogarolli and Marco Ronchetti. Domain Independent Semantic Representation of Multimedia Presentations

28. Yuki Okamoto, Phuong Dinh Thi Dong, Fumiko Harada and Hiromitsu Shimakawa. Programming Skill Transfer from Experienced to Novices with Animated Diagrams

6. Manfred Lohr. Mobile Learning by the Example of the Carnuntum Scenario

Security, organization, management and autonomic computing for intelligent networking and collaborative systems I

2nd Floor. Room B, Wednesday, 11:00 (Session chair: TBA)

37. Javier García-Algarra, Pablo Arozarena-Llopis, Sergio García-Gómez and Álvaro Carrera-Barroso. A Lightweight Approach to Distributed Network Diagnosis under Uncertainty

40. Bogdan Ghit, Octavian Voicu, Florin Pop and Valentin Cristea. Distributed Agent Platform with Intrusion Detection Capabilities

52. Jie Wu, Hussam Abdulla and Vaclav Snasel. Application of Binocular Vision and Diamond Search Technology in Computer Vision Navigation

17. Marta Rybczyńska. A Round-based Cover Traffic Algorithm for Anonymity Systems

Lunch. 2nd Floor. Room C, Wednesday, 13:00

Intelligent networking for social networks, virtual organizations and campuses II

2nd Floor. Room A, Wednesday, 14:30 (Session chair: Thanasis Daradoumis)

38. Patricia Santos Rodriguez, Wenceslao Llobet, Davinia Hernández-Leo and Josep Blat. QTI for self-assessment and embedded- assessment in competence oriented scenarios: The Agora Case

29. Phuong Dinh Thi Dong, Fumiko Harada and Hiromitsu Shimakawa. Collaborative Learning Environment to Improve Novice Programmers with Convincing Opinions in Computer Room

49. Benoit Gaudou, Tuong Vinh Ho and Nicolas Marilleau. Introduce collaboration in methodologies of modeling and simulation of Complex Systems

61. Kahina Hamadache and Luigi Lancieri. Role-Based Collaboration Extended to Pervasive Computing

65. Clauzel Damien, Sehaba Karim and Prié Yannick. Modelling and visualising traces for reflexivity in synchronous collaborative systems

Security, organization, management and autonomic computing for intelligent networking and collaborative systems II

2nd Floor. Room B, Wednesday, 14:30 (Session chair: TBA)

30. Mohamed El-Hadedy, Danilo Gligoroski and Svein Johan Knapskog. Low Area Implementation of the Hash Function “Blue Midnight Wish – 256” for FPGA platforms

33. Abdullah Alnajim and Malcolm Munro. An Approach to the Implementation of the Anti-Phishing Tool for Phishing Websites Detection

74. Jieren Cheng, Jianping Yin, Yun Liu, Zhiping Cai, and Chengkun Wu. DDoS Attack Detection Using IP Address Feature Interaction

62. Reza Tavoli, Amir Masoud Rahmani, Mohammad Teshnelab. A New Channel In Reo With Fuzzy Method

Coffee Break. 2nd Floor. Room C, Wednesday, 17:00

Discussion panel

2nd Floor. Room A, Wednesday, 17:30. Panelists:

Josep Casanovas, Marta Continente, Marta Fernández, Daniel Golobart, Jordi Graells, Rosa M Martín, Héctor Puente and Lucas Ponce, Presidencial Department of Catalan Government.

Ramon Costa, Microsoft Innovation Center

Begoña Gros, Santi Caballé, Open University of Catalonia

Poster session*

2nd Floor. Room C, Wednesday, All day

Day 2 – Thursday, Nov. 5th

Registration at the conference place

Reception Desk, Thursday, 8:30

Keynote Janusz Kacprzy (Plenary talk)

2nd Floor. Room A, Thursday, 9:00

Coffee Break. 2nd Floor. Room C, Thursday, 10:00

Keynote Alberto Zomaya (Plenary talk for WIND 2009 open to INCoS 2009)

2nd Floor. Room A, Thursday, 10:30

Workshop on Information Network Design (WIND 2009) I

2nd Floor. Room A, Thursday, 11:30 (Session chair: Mario Koeppen)

34. Kohei Watabe, Yudai Honma and Masaki Aida. Design of Probe Intervals to Improve Accuracy of CoMPACT Monitor

43. Chisa Takano, Kenji Ishida and Masaki Aida. A Study of Improving Fairness among Flows in Ad hoc Networks

82. Yuki Hanazawa, Yusuke Sasaki and Hiroyoshi Miwa. Efficient Degree Constrained Broadcast Method on P2P Networks

81. Ryota Nakamura, Akito Hashimoto and Hiroyoshi Miwa. Methods of Locating Mirror Servers with High Connectivity and Small Distances (short)

85. Dirceu Cavendish, Yuji Oie, Hiroshi Koide and Mario Gerla. Characterizing Transactions on Multi-Server Systems (short)

Security, organization, management and autonomic computing for intelligent networking and collaborative systems III

2nd Floor. Room B, Thursday, 11:30 (Session chair: TBA)

47. Stefan G. Weber. Harnessing Pseudonyms with Implicit Attributes for Privacy-Respecting Mission Log Analysis

45. Emerson Loureiro, Paddy Nixon and Simon Dobson. Decentralized Utility Maximization for Adaptive Management of Shared Resource Pools

21. Ibrahim Kamel, Osama Al-Koky and Amer Dakkak. Distortion-Free Watermarking Scheme for Wireless Sensor Networks

Lunch. 2nd Floor. Room C, Thursday, 13:00

Workshop on Information Network Design (WIND 2009) II

2nd Floor. Room A, Thursday, 14:30 (Session chair: Masato Tsuru)

83. Akihiro Fujihara and Hiroyoshi Miwa. Relaxation times of information collections in an epidemically information-sharing process with randomly moving sensors on bounded space

86. Shinya Yamamura, Akira Nagata, Masato Tsuru and Hitomi Tamura. Virtual Segment:Store-Carry-Forward Relay-Based Support forWide-Area Non-Realtime Data Exchange

88. Mikio Mizutani, Yusuke Miyoshi, Kazuya Tsukamoto, Masato Tsuru and Yuji Oie. Network-supported TCP Rate Control for High-speed Power Line Communications

89. Kentaro Ogawa, Kenichi Higuchi and Shinichiro Chaki. Fault Management in Functionally Distributed Transport Networking for Large Scale Networks

90. Takeshi Koga, Kei Ohnishi, Kazuya Tsukamoto and Yuji Oie. Complex Routing for Temporary Information Sharing in Wireless Mesh Networks (short)

93. Rodrigo Verschae, Mario Koeppen and Kaori Yoshida. User modeling for improving QoS using partial user-supplied information (short)

94. Hideyuki Shimonishi, Hideya Ochiai, Nobuyuki Enomoto and Atsushi Iwata. Building Hierarchical Switch Network Using OpenFlow (short)

79. Masahiro Sasabe and Tetsuya Takine. A Simple Scheme for Relative Time Synchronization in Delay Tolerant MANETs (short)

Grid, P2P, distributed infrastructure for intelligent networking and collaborative systems

2nd Floor. Room B, Thursday, 14:30 (Session chair: Pilar Herrero)

11. Mauricio Paletta and Pilar Herrero. A MAS-based Negotiation Mechanism to deal with Service Collaboration in Cloud Computing

12. Xavier Vilajosana, Ruby Krishnaswamy, Angel A. Juan, Daniel Lázaro and Joan Manuel Marquès. Simulation and Modelling of a Multi-Lane Double Auction Mechanism to Allocate Computational Resources in the Grid

35. Dragos Sbirlea, Alina Simion, Florin Pop and Valentin Cristea. Monitoring Workflow Applications in Large Scale Distributed Systems

78. Pavel Kromer, Vaclav Snasel, Jan Platos, Ajith Abraham and Hesam Izakian. Scheduling Independent Tasks on Heterogeneous Distributed Environments by Differential Evolution

4. Jong-Hyun Park, Won-Ik Park, Young-Kuk Kim, Ji-Hoon Kang. A Personalized Device Recommender System in Ubiquitous Environments

Poster session*

2nd Floor. Room C, Thursday, All day

Industrial track: Synergys

20th Floor, Thursday, 17:30

Social dinner

Hotel (pending), Thursday, 20:00

Day 3 – Friday, Nov. 6th

Registration at the conference place

Reception Desk, Friday, 8:30

Keynote Helen Karatza (Plenary talk)

2nd Floor. Room A, Friday, 9:00

Coffee Break. 2nd Floor. Room C, Friday, 10:00

Wireless and sensor systems for intelligent networking and collaborative systems

2nd Floor. Room A, Friday, 10:30 (Session chair: Xavi Vilajosana)

5. Doohyun Ko, Hyeong-jong Ju, Sangbin Lee, Sungjun Kim, and Sunshin. ECO: Enhanced Reader Collision Avoidance MAC for Reader-Sensor Networks

19. Nima Jafari Navimipour and Amir Masoud Rahmani. The New Genetic Based Method with Optimum Number of Super Node in Heterogeneous Wireless Sensor Network for Fault Tolerant System

42. Ehsan Pourfakhar and Amir Masoud Rahmani. A New CMAC-Based Local Recovery Approach to Achieve Reliable Multicast in Wireless Mesh Networks

8. Mani Zarei, Amir Masoud Rahmani, Avesta Sasan and Mohammad Teshnehlab. Fuzzy based trust estimation for congestion control in wireless sensor networks (short)

36. Hyeong-Jong Ju. Enhanced Distributed Address Assignment Scheme for ZigBee-Based Wireless Sensor Networks (short)

Workshop on Adaptive Systems for Collaborative Learning (IWASCL 2009)

2nd Floor. Room B, Friday, 10:30 (Session chair: Stavros Demetriadis)

27. Michael Kickmeier-Rust, Christina Steiner and Dietrich Albert. Non-Invasive Assessment and Adaptive Interventions in Learning Games

54. Miky Ronen and Dan Kohen-Vacs. Designing and Applying Adaptation Patterns embedded in the Script

56. Natalia Padilla Zea, Nuria Medina Medina, Francisco Luis Gutiérrez vela and Patricia Paderewski. Modeling a VGSCCL System to Analyze Collaboration

59. Isabela Gasparini, Daniel Lichtnow, Marcelo Pimenta and José Palazzo M. de Oliveira. Quality Ontology for Recommendation in an Adaptive Educational System

95. Mar Pérez-Sanagustín, Javier Burgos, Davinia Hernández-Leo and Josep Blat. Considering the intrinsic constraints for groups management of TAPPS & Jigsaw CLFPs

96. Stavros Demetriadis and Ioannis Magnisalis. Modeling adaptation patterns with IMS-LD specification: a case study as a proof of concept implementation

97. Alberto Bayón, Olga C. Santos, Jorge Couchet and Jesus G. Boticario. An architecture for adaptive collaboration support guided by learning design

Lunch. 2nd Floor. Room C, Friday, 13:00

Data mining and knowledge management for intelligent networking and collaborative systems

2nd Floor. Room A, Friday, 14:30 (Session chair: TBA)

76. Nikos Manouselis. Developing a Recommendation Web Service for a Federation of Learning Repositories

24. Miguel-Angel Sicilia. Exploring structural prestige in learning object repositories: some insights from examining references in MERLOT

15. Jing Qiu, Lejian Liao and Peng Li. Relation Extraction from Chinese News Web Documents Based on Weakly Supervised Learning

20. Petr Klement and Vaclav Snasel. Anomaly Detection in Emergency Call Data – the First Step to the Intelligent Emergency Call System Management

Workshop on Machine Intelligence for Geographic Information Systems (MIGIS 2009)

2nd Floor. Room B, Friday, 14:30 (Session chair: Vaclav Snasel)

55. Miloš Kovačević, Branislav Trivić, Branislav Bajat and Radmila Pavlović. Geological Units Classification of Multispectral Images by Using Support Vector Machines

57. Miloš Marjanović, Branislav Bajat and Miloš Kovačević. Landslide susceptibility assessment with machine learning algorithms

58. Vit Vozenilek. Artificial intelligence and GIS: mutual meeting and passing

60. Jan Brus, Zdena Dobešová and Jaromír Kaňok. Utilization of expert systems in thematic cartography

98. Jiri Dvorsky, Vaclav Snasel and Vit Vozenilek. Map Similarity Testing Using Matrix Decomposition

Coffee Break. 2nd Floor. Room C, Friday, 17:00

PhD Forum

2nd Floor. Room A, Friday, 17:30 (Session chair: TBA)

48. Jordi Llosa Melich, Ignasi Vilajosana, Xavier Vilajosana, Nacho Navarro, Emma Suriñach and Joan Manuel Marques. Design of a Motion Detector to Monitor Rowing Performance based on Wireless Sensor Networks

16. Jing Qiu, Lejian Liao and Peng Li. Combining Syntactic Structured and Flat Features for Relation Extraction Using Co-training

26. Maria Pérez-Mateo and Montse Guitert. Tools for collaborative learning: the use of wiki

63. Sergio Castillo-Perez and Joaquin Garcia-Alfaro. Spyware-based Menaces Against Web Applications

64. Albert Pastrana and Enric Serradell. Possibilities of open source software in developing local small business

99 Juan José Marin. Learning Free Software Development from Real-World Experience

Poster session*

2nd Floor. Room C, Friday, All day

***POSTER SESSION, 2nd Floor, Room C, All days**

68. sakuna charoenpanyasak. ORDERED VS NON-ORDERED messages in SCTP multihoming over Ad hoc networks

70. Andreea Cirneci, Stefan Boboc, Catalin Leordeanu, Valentin Cristea and Cristian Estan. Netpy: Advanced Network Traffic Monitoring

50. Tse-Ming Tsai, Chia-Chun Shih and Ting-Chun Peng. Explore the possibility of utilizing Blog Semantic Analysis for Domain Expert and Opinion Mining (short)

51. Monika Steinberg and Jürgen Brehm. Social educational games based on Open Content

67. Hiromi BAN. Construction of an e-Learning System for Supporting the Learning of English Sentences (short)

1. Osama Mansour. Group Intelligence: a distributed cognition perspective (short)

80. Akira Noguchi, Takeshi Fujimura and Hiroyoshi Miwa. Traffic Engineering by Polynomially Solvable Link Metric Optimization

84. Yuji Okamoto and Takeo Fujii. Multi-cell Interference Reduction Packet Control for Improving Cell Boundary Throughput for Multi-hop Cellular System

87. Akira Nagata, Shinya Yamamura and Masato Tsuru. Integrating Multiple and Heterogeneous Challenged Networks for Large-Sized Data Transfer

91. Takumi Miyoshi and Kenji Sekiya. On the Packet Similarity of Real-time Streaming Services