

IADIS International Conferences
Informatics –WAC - TNS 2011
PRELIMINARY PROGRAM

Wednesday 20th, July 2011

08:30-18:45 Welcome Desk

**11:45-12:00 Session O – Opening Session
(Room Space 4A)**

OPENING SESSION

Prof. Pedro Isaías, Prof. Hans Weghorn and Prof. Jörg Roth

**12:00-13:00 Session KL1 – Keynote Presentation
(Room Space 4A)**

**EARLY WARNING SYSTEMS FOR NATURAL DISASTERS:
ORPHAN NODES AND HOPPING SENSORS**

Prof. Saman K. Halgamuge, University of Melbourne, Australia

13:00-14:30 Lunch Break

**14:30-16:15 Session FSP 20.1
Adaptive systems // Other
(Room Space 4A)**

**CHALLENGES IN ADAPTIVE SYSTEMS DESIGN: THE
CASE OF E-ENABLED PERFORMANCE MANAGEMENT
(F064)**

Polyxeni Vassilakopoulou and Theodore Darmaros

**ALGORITHM TO OPTIMIZE THE POWER CONSUMPTION
OF SCALABLE CLUSTERS GUARANTEEING RESPONSE
TIMES (F017)**

Daniel F. García, Ramón Medrano and Joaquín Entrialgo

**THE IMPACT OF ENVIRONMENTAL DYNAMISM ON THE
EFFECTIVENESS OF SISP: A COMPARATIVE STUDY OF
MANUFACTURING AND NON-MANUFACTURING
MEDIUM ENTERPRISES (F063)**

Luka M. Musangu and Ray M. Kekwaletswe

**ONLINE VERSUS OFFLINE CRITICAL GEOGRAPHIC
INFORMATION SYSTEM (S031)**

Jan Hodicky and Petr Frantis

16:30-17:00 Coffee Break

**17:00-18:40 Session FSP 20.2
Context Aware Applications // Integration of Wired and
Wireless Networks // 'Pervasive Computing
(Room Space 4A)**

**ALTERNATIVE QUERY DISCOVERY FROM THE WEB
FOR DAILY MOBILE DECISION SUPPORT (F026)**

Shun Hattori

**AN EMPROVED ENERGY EFFICIENT APPROACH FOR
WSN BASED TRACKING APPLICATIONS (F031)**

Tareq Alhmiedat and Shuang-Hua Yang

**MOBILE DETECTION OF SOCIAL SITUATIONS WITH
TURN-TAKING PATTERNS (S042)**

Georg Groh, Alexander Lehmann and Manuel de Souza

**A SERVICE DISCOVERY PROTOCOL FOR WIRELESS
MESH NETWORKS (S033)**

Omwonuola Saka and Chris Guy

Thursday 21st, July 2011

08:30-16:00 Welcome Desk

09:20-11:00 Session FP 21.1

**Algorithms // Mobile Service-oriented architecture //
Software engineering
(Room Space 4A)**

**AN O(N) APPROXIMATION FOR THE DOUBLE BOUNDING
BOX PROBLEM (F015)**

Jörg Roth

**HYBRID FUZZY CLASSIFIER DESIGN WITH
COEVOLUTIONARY GENETIC ALGORITHM (F022)**

*Roman B. Sergienko, Eugene S. Semenkin and Vladimir V.
Bukhtoyarov*

**A QOS-AWARE APPROACH FOR WEB SERVICE
SELECTION BASED ON PROBABILITY EVALUATION
(F019)**

Dessislava Petrova-Antonova

**A DOMAIN SPECIFIC LANGUAGE TO REPRESENT
STRUCUTRED DATA FOR MULTIPLE PROGRAMMING
LANGUAGES (P065)**

Kazuaki Maeda

11:00-11:30 Coffee Break

11:30-13:10 Session FSP 21.2

**Networking: architectures, services, routing, and
applications // Sensor, mesh, and ad hoc networks //
Other**

(Room Space 4A)

**QOS PROVISIONING IN CONTENTION AWARE MANETS
USING FLOW-AWARE ADMISSION CONTROL
PROTOCOL (F021)**

*Muhammad Asif, Zhili Sun, Haitham Cruickshank and Naveed
Ahmad*

**THE SHAPE OF THINGS TO COME: SCENARIOS AND
VISUAL STORIES FOR TELECOMMUNICATION IN 2020
(F029)**

Henning Breuer, Hartwig Grabowski and Heinrich Arnold

**ENHANCED SIMPLE FAIR EXECUTION TIME
ESTIMATION (ESFETE) SCHEDULING ALGORITHM FOR
GRID SCHEDULER (S044)**

Rohaya Latip and Adam Malik Sahar

**A PROPOSAL OF ACCESS-BASED CONTENTS GROUPING
ON P2P NETWORK (S022)**

Takuya Sasaki, Jun Sawamoto and Yuji Wada

13:00-14:30 Lunch Break

**14:30-15:30 Discussion Forum
(Room Space 4A)**

THEORY AND PRACTICE IN MODERN COMPUTING
Prof. Hans Weghorn and Prof. Jörg Roth

15:45 Conference Tour and Dinner

Friday 22nd July 2011

08:30-14:00 Welcome Desk

**09:50-11:00 Session FSP 22.1
Software development // Distributed systems
(Room Space 4A)**

**AGILE DATA WAREHOUSING: THE SUITABILITY OF
SCRUM AS DEVELOPMENT METHODOLOGY (F035)**
Roelien Goede
**REVIEW OF QUERY PROCESSING IN DISTRIBUTED
SYSTEMS (S021)**
*Dinesh K. Saini, Nebras N. Hasson, Feras N. Hasoon and Mustafa
Hasan*
**GRAPH-BASED AUTHENTICATION ALGORITHMS FOR
VEHICULAR AD-HOC NETWORKS (S057)**
P. Caballero-Gil, C. Caballero-Gil and J. Molina-Gil

11:00-11:30 Coffee Break

**11:30-12:10 Session FP 22.2
Computer science in practice // Other
(Room Space 4A)**

**INTEROPERABLE PROCESS MONITORING USING
CLINICAL IT-STANDARDS AND HEALTHCARE
INFORMATION SYSTEMS (F047)**
Eva Gattnar, Okan Ekinici and Vesselin Detschew
SOME KNOWLEDGE NORMALIZATION METHODS (P043)
Philippe Martin

**12:10 Best Paper Awards Ceremony and Closing Session
(Room Space 4A)**

Prof. Pedro Isaías, Prof. Hans Weghorn and Prof. Jörg Roth