



The 2nd IEEE International Symposium on Signal Processing and Information Technology

December 18-21, 2002, Marrakech, Morocco

Final Program

Co-Sponsored by



IEEE Signal Processing Society



IEEE Computer Society

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International Workshop on Communication Software Engineering IWCSE'2002

Chair

Mohammed Erradi, Mohamed V-Souissi University, ENSIAS, Rabat, Morocco

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Zahi Jarir, Cadi Ayyad University, Marrakech

Said Rakrak, Cadi Ayyad University, Marrakech

Wednesday, Dec. 18th, 2002

Tutorials

8:00AM –9:00AM registration

9:00 AM - 12:00 PM: 2 parallel **Tutorial** Sessions (Require special registration)

1. *MIMO Systems and Wideband Mobile Communications*
2. *Blind Source Separation: Principles & Applications*

12:00PM-2:00PM Lunch (on your own)

2:00PM-5:00PM: 2 parallel **Tutorial** Sessions (Require special registration)

3. *E-Service Platforms-Concepts and Solutions*
4. *Agreement problems in distributed computing*

6:00PM-8:00PM Conference Reception and Registration

END of The Day

Thursday, December 19th, 2002 Activities

08:30 – 9:30 AM	9:30- 10:am	10:00 AM - 12:00 NN	12:00 NN – 1:30 PM	01:30 – 03:15 PM	03:15 to 03:30 PM	03:30 – 05:30 PM
<p>Symposium and Workshop</p> <p>Opening Session & Registration</p>	<p>Coffee Break</p>	<p>SP1: Application and Implementation of Signal Processing (Room ATLAS I)</p> <p>IT1: Object and Conceptual Modeling (Room ATLAS III)</p> <p>IWCSE Workshop (Room ATLAS II)</p>	<p>Lunch</p>	<p>SP2: Image Processing I (Room ATLAS I)</p> <p>IT2: Mobile Environment (Room ATLAS III)</p> <p>IWCSE Workshop (Room ATLAS II)</p>	<p>Coffee Break</p>	<p>SP3: Non- stationary Signal Analysis (Room ATLAS I)</p> <p>IT3: Network and Distributed Processing I (Room ATLAS III)</p> <p>IWCSE Workshop (Room ATLAS II)</p>

Lunch on your own

Conference banquet: 8:00 PM at Styliya Restaurant in the Medina

Friday, December 20th, 2002 Activities

08:30 – 9:30 AM	9:30- 10:am	10:00 AM - 12:00 NN	12:00 NN – 1:30 PM	01:30 – 03:15 PM	03:15 to 03:30 PM	03:30 – 05:30 PM
Keynote Speaker: Ali El-Sayed	Coffee Break	SP4: Channel Estimation (Room ATLAS I) SP5: Acoustics & Speech Processing (Room ATLAS III) IT4: Web based applications I (Room ATLAS II)	Lunch	SP6: Image Processing II (Room ATLAS I) SP7: OFDM (Room ATLAS III) IT5: Web based applications II (Room ATLAS II)	Coffee Break	SP8: Spatial Signal Processing (Room ATLAS I) SP9: Filters and Adaptive Techniques (Room ATLAS III) IT6: Network and Distributed Processing II (Room ATLAS II)

Lunch on your own

Banquet : Compliment of “Commune de Marrakech Médina” 8:00 PM (location : TBA)

Saturday, December 21th, 2002 Activities

08:30 – 9:30 AM	9:30- 10:am	10:00 AM - 12:00 NN	12:00 NN – 1:30 PM	01:30 – 03:15 PM	03:15 to 03:30 PM	03:30 – 05:30 PM
	Coffee Break	SP10: Blind Source Separation (Room ATLAS I) IT7: Multimedia and image based systems (Room ATLAS III) IT8: Agent based Processing (Room ATLAS II)	Lunch	SP11: Image Processing III (Room ATLAS I) IT9: Network and Distributed Processing III (Room ATLAS III) IT10: Applications (Room ATLAS II)	Coffee Break	SP12: Channel Coding and Equalization (Room ATLAS I) IT11: Data Mining-Data Warehouse (Room ATLAS III) IT12: Image Processing: Techniques and Methods (Room ATLAS II)

Conference luncheon (at Hotel Farah kenzi)

Final Program

**Thursday Dec 19th, 10:00Am-12:00PM
(Room ATLAS I)**

**SP1: APPLICATION AND
IMPLIMENTATIONOF SIGNAL PROCESSING
Chair: Dr Delphine Derrien**

**SP064 - Robot Localization, Using P-Similar
Landmark Detection, Optimized Triangulation and
Parallel Programming**
A. Siadat, S. Vialle

**SP051 - Quality Measurement of a Colored
Gaussian Noise Generator Hardware
Implementation Base on Statistical Properties**
Delphine Derrien, Emmanuel Boutillon

**SP044 - Automatic Modulation Recognition of ASK,
FSK, and PSK Communication Signals**
Abdesselam Bouzerdoum, Vis Ramakonar

**SP013 - Investigation of Emission Reduction Effect
of Printed Circuit Board**
M. Bouhorma, M. Bennouna, A. Eddahak, A. Astito

**SP024 - Recursive Implementation of
Spatiotemporal LMK L-Filters for Noise Removal in
Video Sequences**
Mohammed ElHassouni, Hocine Cherifi, Driss
Aboutajdine

**SP014 - Correlation Studies of Seismic Noise at
AIGO**
D. Coward, D. G. Blair, C. Zhao, R. Burston, A. Serle,
B. Cusack, S. Scott

**Thursday Dec 19th, 10:00Am-12:00PM
(Room ATLAS III)**

**IT1: OBJECT AND CONCEPTUAL MODELLING
Chair: Dr Zahir Tari**

**IT102 - OMEGA: A visual UML based methods for
GIS**
Ahmed Lbath

**IT110 - From an abstract B specification to UML
class diagrams**
B. Tatibouet, A. Hammad, J.C. Voisinnet

**IT112 - Towards ontologies building: a terminology
based approach**
Ahmed Arara, Djamal Benslimane

**IT119 - Ontology implementation for knowledge
representation in Intelligent Instruments.**
Richard DAPOIGNY, Eric Benoit, Laurent Foulloy

**IT123 - Analysis and Design of Information
Systems : A Generic Approach Based on Object
Modelling with UML, Experimental case of Public
Transportation System**
H. Abouaïssa, Maxime Wack

**IT159 - MoRE : An Object Model for Eliciting
Relational Data Semantics**
Martine Collard, Aziz Barbar

**Thursday Dec 19th, 10:00Am-12:00PM
(Room ATLAS II)
(See Workshop Session)**

**Thursday Dec 19th, 1:30PM-3:15PM
(Room ATLAS I)**

**SP2: IMAGE PROCESSING I
Chair: TBA**

**SP083 - Foot Image Segmentation in the HSI Color
Space for 3D Reconstruction**
Cedric Marchessoux, Mohamed-Chaker Larabi, Noel
Richard, Christine Fernandez

**SP087 - Melanoma Database Indexing: How to
Combine Low-Level Image Features and Experts
Knowledge?**
Mohamed-Chaker Larabi, Noel Richard, Olivier Colot,
Christine Fernandez

**SP063 - Real-Time SIMD Architecture for MPEG-2
Block-Based Motion Estimation with High Frame
Rate Applications**
Mohammed Sayed, Wael Badawy

**SP069 - A Pattern Clustering Method for Object
Identification in NAVI**
R. Nagarajan, Sazali Yaacob, G. Sainarayanan

**SP046 - Affine Invariant Descriptors for Color
Images Using Fourier Series**
Ahmed El Oirrak, Mohamed Daoudi, Driss Aboutajdine

**Thursday Dec 19th, 1:30PM-3:15PM
(Room ATLAS III)**

**IT2: MOBILE ENVIRONMENT
Chair: Dr Azzedine Boulmakoul**

**IT103 - MobSQL, An SQL like query language for
mobile object database**
Ahmed Lbath, Mourad Ouziri

**IT167 - A framework for synchronization in
embedded DBMS environment**
Sang-Wook Kim, Se-Bong Oh, Woo Seog Jang, Gary
Noh, Yeong Ho Kang, Byung Dae Jung, Sung-Yong
Son, Zino Lee

IT107 - Efficient Materialized View Maintenance in Mobile Environments Using Interleaved Pull-Push Algorithm

N. Adly, Y. Taha, N. Samaan, M. Nagi

IT115 - Multimodal spatial networks and their integration in mobile GIS

Azedine Boulmakoul, Robert Laurini, Hicham Mouncif, Ghassan Taqafi

**Thursday Dec 19th, 1:30PM-3:15PM
(Room ATLAS II)**

(See Workshop Session)

**Thursday Dec 19th, 3:30PM-5:30PM
(Room ATLAS I)**

**SP3: NONSTATIONARY SIGNAL ANALYSIS
Chair: TBA**

SP058 - A Normalised Performance Measure for Quadratic Time-Frequency Distributions

Victor Sucic, Boualem Boashash, Karim Abed-Meraim

SP027 - DWTune: A Technique for Visual Optimization of DWT Quantization Matrix for Continuous Still Images

M. A. Ben Ayed, A. Samet, M. Loulou, N. Masmoudi

SP067 - Scaling Behavior of Physiological Responses in Long Distance Running Computed with Wavelet Transform

Eva Wesfreid, Yves Meyer, Veronique L. Billat, Jean Koralsztein

SP040 - Acoustic Signals Analysed by a Parametric and Non Parametric Time-Frequency Representations

R. Latif, E. Aassif, A. Moudden, B. Faiz

SP052 - An Improved Image Denoising Scheme on Multiwavelet Transform

A. Benazza-Benyahia, N. Boujnah

**Thursday Dec 19th, 3:30PM-5:30PM
(Room ATLAS III)**

IT3: NETWORK AND DISTRIBUTED PROCESSING I

Chair: Dr Narayan Debnath

IT125 - Cac mechanisms to regulate and protect qos in heterogeneous traffic environment

Radosveta Sokullu

IT146 - An Efficient Scheduling Algorithm For Stochastic Tasks With Deadlines

Ehab Abdel Maksoud, Reda A. Ammar, Narayan Debnath

IT145 - Migrating Dependent/Messaging Tasks in a High Performance Dynamic scheduler for Grid Applications

Gamal El-Sayed, Ian Greenshields

IT188 - Packing unicyclic graphs in their powers

Hamamache Kheddouci

IT153 - An Object Oriented Software Engineering Tool: Design and Implementation

Narayan Debnath, Reda Ammar, Eric Thiemann, Roger Lee

**Thursday Dec 19th, 3:30PM-5:30PM
(Room ATLAS II)**

(See Workshop Session)

**Friday Dec 20th, 10:00AM-12:00PM
(Room ATLAS I)**

**SP4: CHANNEL ESTIMATION
Chair: TBA**

SP003 - Estimation Of Frequency Offset Using The Sample Autocorrelation Function In Fading Channels

Mohamed Rezki, Lesley Sabel, Izzet Kale

SP042 - On the Errors Statistics of Rayleigh Fading Channel

Mostafa Belkasmi, Tarik Aitidir, Najib Naja, Ahmad Bennouna

SP009 - Short Wireless Communication System Using Ultra Wideband Monocycle Pulse

F. Elbahhar, A. Rivenq-Menhaj, J. P. Ghys, J. M. Rouvaen, T. Boukour

SP015 - A New Method for Blind and Adaptive Identification of Non-Gaussian FIR Channels

E. Alameda-Hernandez, D. P. Ruiz, D. Blanco and M. C. Carrion

SP055 - Effective Channel Order Estimation for Blind Channel Approximation

Mohammed Elhajjami and Moheine Zouak

SP025 - On the Applications of Second-Order Statistics to Blind FIR System Identification

E. Alameda-Hernandez and D. P. Ruiz, D. C. McLernon, M. Ghogho

**Friday Dec 20th, 10:00AM-12:00PM
(Room ATLAS III)**

**SP5: ACOUSTICS & SPEECH PROCESSING
Chair: Dr Maria C. Carrion**

SP072 - High Performance Compression Algorithm for Audio Signals Based on Wavelet Transforms

Mohammed Abo-Zahhad, Sabah Mohamed Ahmed

SP088 - Moving Source Separation Using Directional Microphones

Masanori Ito, Yoshinori Takeuchi, Tetsuya Matsumoto, Hiroaki Kudo, Noboru Ohnishi

SP065 - Speech Recognition for Voice Based Control

Youssef S. Naous, Ghinwa F. Choueiter, Mesrob I. Ohannessian, M. A. Al-Alaoui

SP010 - Arabic Phonemes and Speech Recognition

Yousef Ajami Alotaibi

SP050 - High Quality and Flexible Speech Coding

Delphine Derrien

SP077 - Reduction of Computation Time in Source Separation by Placing Microphones Closely

Yusuke Katayama, Yoshinori Takeuchi, Tetsuya Matsumoto, Hiroaki Kudo, Noboru Ohnishi, Toshiharu Mukai

**Friday Dec 20th, 10:00AM-12:00PM
(Room ATLAS II)**

IT4 : WEB BASED APPLICATIONS I

Chair: Dr Randa El-Marakby

IT101 - A Unifying web caching architecture for the WWW

Abdullah Abonamah, Akram Al-Rawi, Mohamed Minhaz

IT121 - Speeding-up, filtering and manipulating the Web to meet specific user needs

Christos J. Bouras and Agisilaos S. Konidaris

IT150 - An evolutionary approach to optimize consultation of complex web server

A. Hajjam, A. Koukam, D. Broeglin

IT126 – Towards Robust and Scalable Infrastructure for Dynamic Web Services

Zahir Tari, Manish Malhotra, Marc McKinlay

IT141 - Development Of An Internet-Based System For Telemedicine

Kyung-Tae Lee, Hyung-Joo Lim, Sang-Wook kim, Yun-Ho Ahn, Yeo-Dong Yoon

**Friday Dec 20th, 1:30PM-3:15PM
(Room ATLAS I)**

SP6: IMAGE PROCESSING II

Chair: Dr Hany Ammar

SP026 - Digital Holography and Its Application to Firearm Identification Recording

Chunnong Zhao, Dongguang Li, Anthony Watson

SP023 - A Neural Network Based System for Dental Radiograph Comparison

Diaa Eldin M. Nassar and Hany H Ammar

SP080 - On Image Linear Filtering Using CNNs With Large Templates

Radu P. Matei

SP061 - Iris Recognition

Carine H. Daouk, Lina A. El-Esber, Fouad D. Kammoun and M. A. Al Alaoui

SP022 - Blind Sources Separation for a More Effective Representation of Satellite Images

Mohamed Anis Loghmani, Mohamed Saber Naceur and Mohamed Rached Boussema

**Friday Dec 20th, 1:30PM-3:15PM
(Room ATLAS III)**

SP7: OFDM

Chair: Dr Mounir Ghogho

SP099 - Joint Blind Frequency-Offset and Channel Estimation for OFDM Transmitting Constant Modulus Symbols

Mounir Ghogho and Ananthram Swami

SP084 - Waveform and Receiver Design for Synchronous UWB-OFDM

E. Saberinia, A. H. Tewfik

SP100 - Reconfigurable Antenna Array Architecture for OFDM Receivers

Diego Bartolomé, Ana Pérez-Neira

SP101 - Channel Estimation for Bit-Loading in OFDM-based WLAN

Victor P. Gil-Jimenez, M. Julia Fernandez-Getino Garcia, Ana Garcia Armada

SP102 - Optimum Output Power Back-Off in Non-Linear Channels for OFDM Based WLAN

Paolo Banelli, Luca Rugini, Saverio Cacopardi

SP079 - Bit Error Rate Performance of OFDM Signals with Windowing

Hlel El Kefi, Tlili Fethi, Cherif Sofiane

**Friday Dec 20th, 1:30PM-3:15PM
(Room ATLAS II)**

IT5 : WEB BASED APPLICATIONS II

Chair: Dr Zahir Tari

IT136 - Implementation of Video Conference Applications based on JPEG-GSM secure Codecs

L. Mengual1, J. Bobadilla, R. Caballero1, E. Jimenez, J. Setien, J Yaguez

IT170 - Engineering data base based on the portal Web and XML

Omar El Beqqali, Laurent Deshayes, Hassan Badir, Etienne Pichat, Parisa Ghodous

IT132 - A Web Based Image Database and Its Image Processing

Chunnong Zhao, Dongguang Li, Anthony Watson

IT122 - Building Web services from RDBMS

Jean-Claude Simon, Christophe Nicolle

**Friday Dec 20th, 3:30PM-5:30PM
(Room ATLAS I)**

SP8: SPATIAL SIGNAL PROCESSING

Chair: Dr Saleem Kassam

SP075 - Performance of Multicarrier WCDMA Smart Antenna System

Mostafa Hefnawi, Wei Zha

SP021 - A Practical Cyclic-Correlation Interceiver for Wide Band LPI Signals With a Rotating Antenna

Jose Manuel Pardo Martin, Mateo Burgos Garcia, Jose Manuel Romero

SP033 - Maximum Likelihood DOA Estimation in Nonuniform Noise

Said Aouada, Abdelhak M. Zoubir

SP081 - Nonstationary Interference Suppression in DS/SS Communications Using Space-Time Oblique Projections Techniques

Yimin Zhang, Moeness Amin, Hongya Ge

SP066 - Aperture Synthesis for a Through-Wall imaging Systems

Fauzia Ahmad, Saleem Kassam, Gordon Frazer, Moeness Amin

SP057 - Fast Optimal Lower-Rank Tensor Approximation

Damien Muti, Salah Bourennane

SP004 - The Effect of Array Configuration on Super-Resolution Array Performance Upon CRB

F. H. Kashani, F. Arazm, M. Asgari,

**Friday Dec 20th, 3:30PM-5:30PM
(Room ATLAS III)**

SP9: FILTERS AND ADAPTIVE TECHNIQUES

Chair: Dr Tysser Aboulnasr

SP034 - Low Complexity Transform-Domain Adaptive Algorithm for Long Adaptive Filters

K. Mayyas, T. Aboulnasr

SP049 - Performance and Design of Adaptive Cross Coupled Feedback Line Enhancer

M. F. Fahmy, G. M. A. El-Raheem, A. F. Ibrahim

SP089 - Accurate Explicit Frequency Estimation Using Modulated Lagrange Delay Filter

Zheng Cheng, T. T. Tjhung

SP038 - A New Class of Spatiotemporal Nonlinear Adaptive Filter for Noise Reduction in Video Sequences

E. Ibn-Elhaj, D. Aboutajdine

SP018 - The LMS Efficiency for Tracking Severe Frequency-Selective Radio Mobile Channels

M. Turki-Hadj Alouane, M. Jaidane-Saidane

SP086 - Low Complexity, Real Exponent High Order Polynomial Filters

Chris Jaszczur, Tyseer Aboulnasr

**Friday Dec 20th, 3:30PM-5:30PM
(Room ATLAS II)**

IT6: NETWORK AND DISTRIBUTED PROCESSING II

Chair: Narayan Debnath

IT173 - An optimized causal-phase ordering algorithm for overlapped broadcasts

Laurent Amanton, Mohamed Naimi

IT163 - WEP: an adaptation of an 1-PC protocol to distributed real-time transactions

Bruno Sadeg, Jerome Haubert, Laurent Amanton and Samia Bouzefrane

IT155 - Distributed Object-Oriented Software Re-mapping

Tahany A. Fergany, Mohamed, T. Faheem, Amany Sarhan

IT106 - Characterizing Dynamic Load Balancing Techniques for Time Warp Parallel Simulation

Hussam M. Soliman

IT-183- Integrating intelligent methods for resource management and scheduling in computational Grid systems

Ahmed Ibrahim, Ian Greenshields

IT154 - Reliable Scheduling of Tandem task Graphs in a Cluster Computing

Alaa Amin and Reda Ammar

**Saturday Dec 21th, 10:00Am-12:00PM
(Room ATLAS I)**

SP10: BLIND SOURCE SEPARATION

Chair: TBA

SP017 - Blind Separation and Carrier Phase Estimation for M-Ary Signaling

Trasapong Thaiupathump, Saleem A. Kassam

SP096 - Blind Equalization with Discrete Inputs in the Presence of Carrier Residual

P. Comon

SP035 - Blind Source Separation Using The Time-Frequency Distribution of the Mixture Signal

B. Barkat, K. Abed-Meraim

SP094 - Blind Separation of Delayed Instantaneous Mixtures: A Cross-Correlation Based Approach

M. Z. Ikram

SP093 - Blind Separation of Alpha-Stable Sources: A New Fractional Lower-Order Moments (FLOM) Approach

M. Sahnoudi et al

SP032 - A Combined Contrast and Reference Signal Based Blind Source Separation by a Deflation Approach

Abdellah Adib, Eric Moreau, Driss Aboutajdine

**Saturday Dec 21th, 10:00Am-12:00PM
(Room ATLAS III)**

**IT7: MULTI-MEDIA AND IMAGE
BASED SYSTEMS**

Chair: TBA

IT113 - Efficient Method for Image Indexing: A Case for Medical Application

Richard Chbeir, Solomon Atnafu, André Flory, Lionel Brunie

IT117 - Active3D: A Method for Storing 3D Scenes into a RDBMS

Christophe Cruz, Christophe Nicolle, Marc Neveu

IT130 - An object-oriented model for cooperative navigation in hypermedia applications

Didier Assossou, Maxime Wack

IT134 - Multiple similarity match queries in multimedia databases

M.V. Ramakrishna

IT171- Modeling Images for retrieval : The MLIDM approach

S. Jomni, K. Yetongnon

IT189 - HANS: A meta-model for the development user interfaces in a hypermedia environment

Chirine Ghedira, Pierre Maret, Jocelyne Fayn, Paul Rubel

IT160 - Local QoS Adaptations in Large Heterogeneous Multimedia Groups

Randa El-Marakby

**Saturday Dec 21th, 10:00AM-12:00PM
(Room Atlas II)**

IT8: AGENT BASED PROCESSING

Chair: Dr Abder Koukam

IT190 - Generic Agent Architecture for Supply Chain Tracking

Roland Zimmermann, Robert Butscher, Freimut Bodendorf, Alexander Huber, Günther Görz

IT191 - A Multi-Agent Approach for Modelling and Enactin Processes of Software Projects

Development

R. Lbath

IT192 - Application of M-agent multi-profile architecture and evaluation nets to the negotiation algorithm design

Malgorzata Zabinska, Krzysztof Cetnarowicz

IT193 - User adaptive services: Dynamic dialogues to make heterogeneous agents cooperate

Romarc Charton, Anne Boyer, François Charpillat

IT194 - An hybrid trust management model for multi agent system based trading society

Kanagaraj Krishna, Mohd Aizaini Maarof

IT195 - Model and simulation of multi-level emergence

Gregory Beurier, Olivier Simonin, Jacques Ferber

IT196 - A Multi-Agent System for personalization services in PDR

Wu Xiaojun, Zhou Xingshe, Yu Zhiwen, Gu Jianhua

**Saturday Dec 21th, 1:30PM-3:15PM
(Room ATLAS I)**

SP11: IMAGE PROCESSING III

Chair: TBA

SP002 - Genetic Binarization of Fingerprint Images

Nadjla Megherbi, Hassina Megherbi, Khier Benmahammed

SP039 - Cluster Data Analysis by Convexity Dependand a Recursive Operator Filtering Scheme

R. Allaoui, A. Sbihi, A. Hamid

SP045 - Estimation of Large-Amplitude Disparity Fields Using Feature Matching and Delaunay Triangulation

Moustapha Kardouchi, Franck Marzani

SP098 - Tracking of Image Intensities Based on Optical Flow: An Evaluation of Nonlinear Diffusion Process

Azeddine Beghdadi, Marie-Flavie Auclair, Jerome Monteil

**Saturday Dec 21th, 1:30PM-3:15PM
(Room ATLAS III)**

IT9: NETWORK AND DISTRIBUTED PROCESSING III

Chair: Dr Reda Ammar

IT109 - IP/ATM interworking : increasing TCP performance by using abr rate information

R. Bakadir, A.Ait Ouahman

IT135 - IP networks performance analysis

Redouane Benaini, Karim Sbata, Pierre Vincent

IT166 - Design and verification of IP-Blocks Communication using UML and SystemC

Mostafa Azizi

IT184 - Using Past Data to Predict Applications Run Times in Heterogeneous Clusters of Workstations

Ahmed Ibrahim, Ian Greenshields

**Saturday Dec 21th, 1:30PM-3:15PM
(Room ATLAS II)**

IT10: APPLICATIONS

Chair Dr Azzedine Boulmakoul

IT114 - Neural Networks : Application for Prediction of Anti-HIV-1 Activity of HEPT Derivatives

Latifa Douali, Didier Villemin, Driss Cherqaoui

IT131- Discrete Event Simulation Component Specification For Container Terminals Operational management

Azedine Boulmakoul, Mohamed Reda

IT158 - Policy-based Agent Framework for the Management of Virtual Teams

H. Harroud, A. Karmouch

IT142 - Towards Simplifying PKI Implementation: Client-Server based Validation of Public Key Certificates

Diana Berbecaru, Antonio Lioy

IT185 - The integration of the supervision in the MES environment within the Integrated Logistics Information System (ILIS).

Abdelatif Benabdelhafid, Mounir Benaissa.

**Saturday Dec 21th, 3:30PM-5:30PM
(Room ATLAS I)**

**SP12: CHANNEL CODING AND EQUALIZATION
Chair: Dr Rahim Leyman**

SP073 - Density Estimation and Application to Robust Turbo Decoding in Non-Gaussian Channels

Duc Son Pham, Abdelhak Zoubir

SP090 - Propagation Delay Estimation for Asynchronous DS-CDMA Systems in Fading Channels

A. Rahim Leyman, Chen Xi

SP076 - Performance Comparisons and Carrier Phase Recovery for Several Blind Equalization Algorithms

Lin He, Moeness Amin

SP020 - Application of the DDFSE Receiver to the EDGE Standard

A. Mechai, I. Dayoub, J. M. Rouvaen

SP041 - On the Effect of Truncation Length on the Performance of the APRISOVA-Based (turbo) decoding for Parallel Concatenated Scheme

Mohammed Benchrif, Mostafa Belkasm, Ahmed Bennouna

SP082 - A Multiuser Receiver for Multicarrier CDMA Systems with Transmit Diversity

Wei Sun, Moeness Amin, Hongbin Li

**Saturday Dec 21th, 3:30PM-5:30PM
(Room ATLAS III)**

**IT11: DATA MINING - DATA WAREHOUSE
Chair: Dr Ahmed Tawfik**

IT165 - A mapping expression model used for a Meta-data driven ETL tool

Rifaieh Rami, Benharkat Aïcha Nabila

IT139 - Fuzzy structural primitives for spatial data mining

A. Boulmakoul, K. Zeitouni, N. Chelghoum, R. Marghoubi

IT157 - Learning Spatio-temporal Context for Vehicle Reidentification

Ahmed Y. Tawfik, Aidong Peng, Seyed Tabib, Baher Abdulhai

IT172- Towards Building a Distributed Mining Approach

Maha Soliman, Mehmed Kantardzic

Chair: TBA

IT186- Data fusion and Data-warehousing for cooperative healthcare systems
Mostafa Kerkri, Kokou Yetongnon, Catherine Quantin

Saturday Dec 21th, 3:30PM-5:30PM
(Room ATLAS II)

IT12: IMAGE PROCESSING TECHNIQUES AND METHODS

Chair: Dr Albert Dipanda

IT187- Improving B-Spline surfaces using genetic algorithms

Albert Dipanda, Sebti Fougou

IT151- New Method for Particle Disconnection in endoscopic color images

P.Breul, R.Gourvès, P.Bonton, Y.Haddani

IT168- Correlation between two colour images : use of the Fourier transform

Irène Foucherot, Pierre Gouton

IT133 - Archeological mosaic image indexing by color-based segmentation and skeleton extraction

M. Sofka, R. Benslimane, L. Macaire, M. Rudko, J.-G. Postaire

[IWCSE'2002](#)
[Workshop sessions](#)
Thursday Dec 19th

Thursday Dec 19th, 09:50Am-11:10PM
(Room ATLAS II)

WK1: PROTOCOLS TESTING

Chair: TBA

WK001 - Test cases generation from decomposable EFSMs

Yan Zhang, Rachida Dssouli, Ferhat Khendek

WK002 - Testing Real-Time Systems Using Test Purposes

Abdeslam En-Nouaary

WK003 - Test execution for distributed real time systems

Ahmed Khoumsi

WK004 - Formal specifications, TTCN and executable test cases for main IPv6 protocols

Abdelghani Benharref, Rachida Dssouli, Zineb Berbich, Isabelle Chrisment

Thursday Dec 19th, 11:15Am-12:15PM
(Room ATLAS II)

WK2: DISTRIBUTED SOFTWARE ENGINEERING

WK013 - EJB Implementation Model of a Meta-Level Architecture for TINA service customization
Zahi Jarir and Mohammed Erradi

WK015 - Practical Approaches for Request Assignment in Object-based Distributed Systems
Elarbi Badidi, Mohammed Boulmalf

WK016 - Real-time system specifications based on UML Scenarios and Timed Petri Nets
Mohammed Elkoutbi, Mohamed Bennani, Rudolf K. Keller and Mohamed Boulmalef

Thursday Dec 19th, 1:45PM-3:15PM
(Room ATLAS II)

WK3: MULTIMEDIA APPLICATIONS

Chair: TBA

WK005 - Implementation of a Multimedia Teleconferencing System over Internet
M. Oualla, M. Ouzzif and M. Erradi

WK006 - GeneRIC: one System for Content Image Retrieval
R. Oulad Haj Thami, T. Filali Ansary, H. Chaarani

WK007 - A Tree Based Floor Control Protocol
Abdelali Ibriz and Mohammed Erradi

WK008 - Mpnt: An Architecture For Multimedia Applications
Karim Sbata, Pierre Vincent, Redouane Benaini, Najib Naja

Thursday Dec 19th, 3:30PM - 5:30PM
(Room ATLAS II)

WK4: FORMAL SPECIFICATIONS

Chair: TBA

WK009 - Formal Description of Teleconferencing Management and Control Protocol
Mohammed Ouzzif and Mohammed Erradi

WK010 - Specification Synthesis by Merging Use Cases
Aziz Salah, Rachida Dssouli

WK011 - Mapping Service Level Agreement (SLA) to QoS Parameters
Said Rakrak and Mohammed Erradi

WK012 - Optimal Control of arrivals to a Network node
A. Haqiq, I. Lambadaris, N. Mikou, L. Orozco-Barbosa

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University Cadi Ayyad, Marrakesh, Morocco**



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