

IPAC'2015 Conference Program

Monday 23 November 2015

Registration

(8h30 – 9h00)

IPAC Opening Conference

(9h00 – 9h20) Auditorium

Keynote Speaker (Dr. Ahcène Bounceur)

CupCarbon: A New Platform for Designing and Simulating Smart-City & IoT Wireless Sensor Networks (SCI-WSN)

(9h20 – 10h10) Auditorium

Coffee Break (10h 10 – 10h30)

Session 1

(Chairman: Dr. Rachid Seghir) (10h30 – 12h 00) Hall: Auditorium

Introduction to distributed probability propagation nets

Yasser Moussa Berghout and Hammadi Bennoui (Biskra, Algeria)

A Robust Watermarking Scheme for Ownership Protection and Deadlock Prevention

Oussama Noui and Lemnouar Noui (Batna, Algeria)

A Model Driven Approach to Derive e-Learning Applications in Software Product Line

Nesrine Lahiani and Djamel Bennouar (Blida, Algeria)

Ontology Matching Algorithms

Bochra Brahma and Allaoua Refoufi (Setif, Algeria)

A Dynamic Model to Represent the Effect of Access Control Policies

Mehdi Ghayoumi and Kambiz Ghazinour (USA)

Session 2

(Chairman: Leila Saadi) (10h30 – 12h 00) Hall: S02

Well-VPL for improving real time global illumination

Khemliche Sarra, Babahenini Mohammed Chaouki, Bahi Naima and Zerari Abdel Moumene (Biskra, Algeria)

Multi-agent system in ambient environment for assistance of elderly sick peoples

Chaib Aouatef, Boussebough Imen and Chaoui Allaoua (Constantine, Algeria)

Towards a Repository for the Reuse of Business Process Models from a Requirements Analysis Perspective

Moufida Aouachria, Abdessamed Réda Ghomari and Rachid Seghir (Batna, Algeria)

An Overview of Forgiveness in Digital Environment

Meriem Laifa, Samir Akrouf and Ramdane Maamri (Bordj Bou Arreridj, Algeria)

A Comprehensive Survey of Software Development Cost Estimation Studies

Shatha Alqudah and Khalid Al-Sarayreh (Jordan)

Session 3

(Chairman: Dr. Larbi Guezouli) (10h30 – 12h 00) Hall: S03

Low Complexity Block-Based Distributed Video Coding Without Channel Codes

Benaissa Manel (Constantine, Algeria)

A Hybrid Active Contour Without Re-initialization

Kaouther El Kourd and Abdallah Azizi (Biskra, Algeria)

New approaches for Contrast enhancement of calcifications in mammography using morphological enhancement

Mohamed Amine Guerroudji and Zohra Ameer (Tizi-Ouzou, Algeria)

GLI-Color: Gradual Locality Integration of Color features for image retrieval

Salah Bougueroua and Bachir Boucheham (Skikda, Algeria)

A robust soft-margin SVM classifier based on spectral/spatial fusion : enhancement of urban classification in Riyadh, Saudi Arabia

Selim Hemissi and Magdy Mahmoud (Tunisia)

Lunch (12h00 – 14h00)

Afternoon Sessions

Session 4

(Chairmans: Dr. Maamar Sedrati and Kamel Barka) (14h00 – 15h 30) Hall: Auditorium

A New trust management scheme with Energy Efficiency in wireless Sensor networks

Ouassila Hoceini, Rachida Aoudjit and Said Talbi (Tizi-Ouzou, Algeria)

A Priority Based Lookup Model for VoIP Applications in Unstructured P2P Networks

Mourad Amad, Djamil Aissani, Ahmed Meddahi, Nouria Madi and Razika Bouiche (Bejaia, Algeria)

Deterministically Adaptive Genetic Algorithm To Solve Binary Communication Problems: Application To The Error Correcting Code Problem

Zakaria Abd El Moiz Dahi, Chaker Mezioud and Amer Draa (Constantine, Algeria)

Hybrid Hierarchical Clustering Protocol in Wireless Sensor Networks based on Ant Colony Algorithm and MR-LEACH

Mohammed Omari and Warda Hadj Fateh (Adrar, Algeria)

Enhanced Trilateration Localization Using Fuzzy Logic For WSN

Basant El Samadony, Rabie Ramadan and Nevin Darwish (Egypt)

Session 5

(Chairman: Dr. Larbi Guezouli) (14h00 – 15h 30) Hall: S02

Adaptive Time Window for EEG-based Motor Imagery Classification

Bahia Yahya-Zoubir, Maouia Bentlemsan, Karim Ferroudji and Et-Tahir Zemouri (Algiers, Algeria)

Features Selection Using Differential Evolution in Motor-Imagery Based Brain Machine Interface

Karim Ferroudji, Bahia Yahya-Zoubir, Maouia Bentlemsan and Et-Tahir Zemouri (Batna, Algeria)

Supporting Multilingual Semantic Web Services Discovery by Consuming Data from DBpedia Knowledge Base

Nasredine Cheniki, Abdelkader Belkhir and Yacine Atif (Algiers, Algeria)

A TGG Approach for a Bidirectional Automatic Mapping between UML and pi-calculus

Aissam Belghiat and Allaoua Chaoui (Skikda, Algeria)

A Comprehensive Survey of System Dependability for Real Time Embedded Software

Khaled Almakadmeh and Ghadeer Al Qahmouss (Jordan)

Session 6

(Chairman: Leila Saadi) (14h00 – 15h 30) Hall: S03

Handling the Dynamic Reconfiguration of Software Architectures using Intelligent Agents

Abdelfetah Saadi, Mourad Oussalah, Abderrazek Henni and Djamel Bennouar (Algiers, Algeria)

A data-clustering approach based on artificial ant colonies with control of emergence combined with K-Means approach

Billel Kenidra and Mohamed Benmohammed (Algiers, Algeria)

A new Automatic approach for Understanding the Spontaneous Utterance in Human-Machine Dialogue based on Automatic Text Categorization

Mohamed Lichouri, Amar Djeradi and Rachida Djeradi (Algiers, Algeria)

Multilingual Text Categorization: Increasing the Quality of Categorization by a Statistical Stemming Approach

Said Gadri and Abdelouahab Moussaoui (Msila, Algeria)

A Generic Model-Based Methodology of Testing Techniques To Obtain High Quality Software

Khaled Almakadmeh and Fatima Abo-Zitoun (Jordan)

Coffee Break (15h 30 – 15h50)

Session 7

(Chairman: Dr. Ahcène Bounceur) (15h50 – 17h 00) Hall: Auditorium

Bacterial foraging optimization with double role of reproduction and step adaptation

Mohamed Skander Daas, Salim Chikhi and Mohamed Batouche (Constantine, Algeria)

On The Use of Decision Trees for Arabic Pronunciation Assessment

Necibi Khaled, Frihia Hamza and Bahi Halima (Annaba, Algeria)

A Multi-objective Binary Bat Algorithm

Mohamed Amine Laamari and Nadjet Kamel (Setif, Algeria)

A Probability Measurement for Requirement Selection In Component-Based Software Development

Ruba Alzyoudi, Khaled Almakadmeh and Hutaf Natoureh (Jordan)

Session 8

(Chairman: Samir Athmani) (15h50 – 17h 00) Hall: S02

Estimation of STBC-MIMO Radio Channel at 2.4 GHz in Underground Mine Gallery

Samira Boualleg and Khalida Ghanem (Algiers, Algeria)

Online Social Trust: an Overview

Meriem Laifa, Samir Akrouf and Ramdane Maamri (Bordj Bou Arreridj, Algeria)

A Framework of Knowledge Management as a Service over Cloud Computing Platform

Muhammad Al-Qurishi, Mabrook Al-Rakhami, Majed Alrubaian and Atif Al-Amri (KSA)

Session 9

(Chairman: Dr. Djallel Eddine Boubiche) (15h50 – 17h 00) Hall: S03

Capability Maturity Model of Software Requirements Process and Integration (SRPCMMI)

Sireen Najjar and Khalid Al-Sarayreh (Jordan)

Procedural Model of Requirements Elicitation Techniques

Hanan Alzawahreh and Khaled Almakadmeh (Jordan)

Towards Evaluation Method of Usability Engineering for Web Application Sites Using 3D Approach

Bara'A Qadoumi, Baha'A Al-Shurufat and Khalid Al-Sarayreh (Jordan)

Dinner (18h 00 – 20h00)

Tuesday 24 November 2015

Registration

(8h30 – 9h00)

Keynote Speaker (Homero Toral Cruz)

Quality of Service Parameters Modeling of Voice over IP Traffic: An Overview

(9h00 – 10h00) Auditorium

Coffee Break (10h 00 – 10h30)

Session 10

(Chairman: Dr. Faiza Titouna) (10h30 – 12h 00) Hall: Auditorium

A proposed reasoning Algorithm using DLs in vectorial form

Yasser Yahiaoui, Ahmed Lehireche and Djelloul Bouchiha (Naama, Algeria)

Providing Services in an Intelligent Environment- Conflict Management in Smart Home

Wassila Guebli and Abdelkader Belkhir (Algiers, Algeria)

EMeD-Part: Efficient Methodology for Horizontal Partitioning in Data Warehouses

Lyazid Toumi, Abdelouahab Moussaoui and Ahmet Ugur (Setif, Algeria)

Cost Minimization and Load Balancing Issues to Compose Web Services in a Multi Cloud Environment

Hioual Ouassila and Hemam Sofiane Mounine (Khenchela, Algeria)

A mobile hospital trajectory data warehouse modeling and querying to detect the breast cancer disease

Wided Oueslati, Hazar Hamdi and Jalel Akaichi (Tunisia)

Session 11

(Chairman: Dr. Ahcène Bounceur and Lyamine Guezouli) (10h30 – 12h 00) Hall: S02

Load balancing by requests redistribution In failure nodes context

Hemam Sofiane Mounine and Hioual Ouassila (Khenchela, Algeria)

A Novel Cluster Head Selection Method based on HAC Algorithm for Energy Efficient Wireless Sensor Network

Tariq Taleb and Kaddour Mejdj (Oran, Algeria)

Powerline communication performance using FFT/DWT/WPT-based OFDM systems and chaotic interleaving

Yassine Himeur, Abdelkrim Boukabou and Abdelkader Senouci (Jijel, Algeria)

A Load Management Algorithm For Wireless Mesh Networks

Ilyas Bambrik and Fedoua Didi (Tlemcen, Algeria)

Clustering Combined with Bio Inspired Routing in Underwater Wireless Sensor Networks

Siheem Souki, Mourad Hadjila and Mohammed Feham (Tlemcen, Algeria)

Knowledge Discovery for Banking Risk Management

Mohamed Sobhy, Safia Abbas and Abdel-Badeeh Salem (Egypt)

Session 12

(Chairman: Leila Saadi) (10h30 – 12h 00) Hall: S03

The summary linguistic and medical database

Djazia Amghar and Med Amine Chikh (Tlemcen, Algeria)

On an Empirical Study of Smoothing Techniques for a Tiny Language Model

Freha Mezzoudj, Mourad Loukam and Abdelkader Benyettou (Oran, Algeria)

Solve the homography in the Arabic words unvowelized by multi-criteria analysis

Kahina Rekkal, Youcef Hoceini and Abbas Moncef (Bechar, Algeria)

A K-BPEL Semantics

Khadir Bekki, Hafida Belbachir and Wafaa Kasri (Oran, Algeria)

Towards a Comprehensive Survey of the Requirements Elicitation Process Improvements

Hani Bani-Salameh and Nadera Aljawabrah (Jordan)

Lunch (12h00 – 14h00)

Afternoon Sessions

Session 13

(Chairman: Dr. Djalal Hedjazi) (14h00 – 15h 30) Hall: Auditorium

A Simulated Annealing Approach for Data Fitting with Bezier Surfaces

Andres Iglesias Prieto, Akemi Galvez-Tomida and Carlos Loucera (Spain)

An Access Control System Architecture for XML Data Warehouse Using XACML

Kechar Mohamed and Safia Nait Bahloul (Oran, Algeria)

Improvement of Collaborative Filtering Systems through Resource Description Framework

Sahraoui Kharroubi, Youcef Dahmani and Omar Nouali (Algiers, Algeria)

A survey on context-aware workflow systems

Sara Boutamina and Ramdane Maamri (Constantine, Algeria)

Machine Learning Algorithms for Multi-Agent Systems

Khaled Khalil, Mohamed Abdel-Aziz, Taymour Nazmy and Abdel-Badeeh Salem (Egypt)

Session 14

(Chairman: Rima Djellab) (14h00 – 15h 30) Hall: S02

Data security and privacy in E-health Cloud: Comparative study

Kacha Lynda, Oukid-Khouas Saliha and Benblidia Nadja (Blida, Algeria)

Semantic Web service Discovery Based on Fuzzy Dominated Scores

Fethallah Hadjila, Mohamed Merzoug and Belabed Amine (Tlemcen, Algeria)

Novel method for dynamic web service selection and composition using hypergraph decomposition

Samah Benmerbi, Kamal Amroun and Abdelkamel Tari (Bejaia, Algeria)

An IDS-based Self-healing Approach for MANET Survival

Leila Mechtri, Fatiha Djemili Tolba, Salim Ghanemi and Damien Magoni (Annaba, Algeria)

Procedural Assessment Process of Software Quality Models Using Agility

Ahmad Al-Elaimat and Abdel-Rahman Al-Ghuwairi (Jordan)

Session 15

(Chairman: Dr. Sofiane AOUAG) (14h00 – 15h 30) Hall: S03

A New Approach to Manage and Disseminate Data in Vehicular Ad hoc Networks

Abdelkader Guezzi, Abderrahmane Lakas and Ahmed Korichi (Ouargla, Algeria)

A user centered ubiquitous government design framework

A Hakim Djeddi and Djilali Idoughi (Bejaia, Algeria)

A Framework for Reengineering Web applications into Linked Data based on MDA

Benamar Bouougada, Djelloul Bouchiha and Mimoun Malki (Naama, Algeria)

Towards an Automatic Method for API Association Extraction for PE-Malware Categorization

Mohamed Belaoued and Smaine Mazouzi (Skikda, Algeria)

E-Learning Critical Success Factors Models: Empirical Investigation

Hani Bani-Salameh, Somia Abu Fakher and Khalid Al-Sarayreh (Jordan)

Coffee Break (15h 30 – 15h50)

Session 16

(Chairman: Dr. Ahcène Bounceur) (15h50 – 17h 00) Hall: Auditorium

Retrieval of High Resolution Satellite Images Based on Steerable Pyramids

Samia Bouteldja and Assia Kourgli (Algiers, Algeria)

A Novel Automatic Seed Placement Approach for Region Growing segmentation in Mammograms

Ahlem Melouah and Somaya Layachi (Annaba, Algeria)

Data Sources Integration Using Viewpoint Based Approach

Bouchra Boulkroun, Fouzia Benchikha and Chahinez Bachtarzi (Constantine, Algeria)

An Integrated Measurement Model for Evaluating Usability Attributes

Lina Hasan and Khalid Al-Sarayreh (Jordan)

Session 17

(Chairman: Abderrezak Benyahia) (15h50 – 17h 00) Hall: S02

A Hybrid Intrusion Detection Approach Using Ant Colony System and Simulated Annealing (ACS-SA)

Wassila Guendouzi and Abdelmadjid Boukra (Algiers, Algeria)

Improving Network Echo Cancellation in VoIP Using Packet Loss Concealment

Mahfoud Hamidia, Adil Bakri and Abderrahmane Amrouche (Algiers, Algeria)

Binary Feature Descriptor for Omnidirectional Images Processing

Houssef Eddine Benseddik, Hicham. Hadj-Abdelkader, B. Cherki, O. Djekoune (Tlemcen, Algeria)

Toward An Empirical Study to investigate the size-defect Relationship Using ISBSG Repository

Fadi Wedyan, Shirin Al-Manai and Wajeeha Al-Ajlouni (Jordan)

Session 18

(Chairman: Dr. Djallel Eddine Boubiche) (15h50 – 17h 00) Hall: S03

Model Driven Approaches to Cross Platform Mobile Development

Lamia Gaouar, Abdelkrim Benamar and Fethi Tarik Bendimerad (Tlemcen, Algeria)

Achieving Scalability of Self-optimizing Multi-tier Systems Performance Prediction

Mehdi Sliem, Nabila Salmi and Malika Ioualalen (Algiers, Algeria)

A Generic Method for Identifying Maintainability Requirements Using ISO Standards

Khalid Al-Sarayreh and Asma Labadi (Jordan)

A High Quality Software After Maintenance Depend on Effectiveness measures

Mohammad Aloran, Hazem Eid and Khalid Al-Sarayreh (Jordan)

Dinner (18h 00 – 20h00)

Wednesday 25 November 2015

Registration

(8h30 – 9h00)

Session 19

(Chairman: Dr. Ahcène Bounceur and Abderrezak Benyahia) (09h00 – 10h 30) Hall: Auditorium

Reflectometry Characterization of an installed optical fiber in Algeria: comparison with the G652 recommendations of the ITU-T

Abdelhalim Mansour Bounab and Saida Latreche (Constantine, Algeria)

A Non-Blocking Coordinated Checkpointing Algorithm for Message-Passing Systems

Housseem Mansouri, Nadjib Badache, Makhlouf Aliouat and Al-Sakib Khan Pathan (Bejaia, Algeria)

Contribution of encoder TCM in improving the performance of the modulation OFDM on a mobile radio channel

Kahina Rekkal, Abdesselam Bassou and Samir Bouaziz (Bechar, Algeria)

Analysing QoS in WIFI-UMTS interworking systems

Amin Belhocine and Fedoua Didi (Tlemcen, Algeria)

A Comparison of Local Detectors and Descriptors for Multi-Object Applications

Faten Khalifa, Noura Samri, Hatem El-Sayed and Mohiy Hadhoud (Egypt)

Session 20

(Chairman: Rima Djellab) (09h00 – 10h 30) Hall: S02

A Novel Saliency Detection Model based on Self Organizing Tree Algorithm

Samira Chebbout and Hayet Farida Merouani (Oum El Bouaghi, Algeria)

Toward multimodal biometric systems

Assia Toumi, Réda Adjoudj and Tarek Toumi (Sidi Bel-Abbes, Algeria)

Bag of Visual Words and Chi-Squared Kernel Support Vector Machine: a Way to Improve Hand Gesture Recognition

Wassila Abadi, Mohamed Fezari and Rachid Hamdi (Annaba, Algeria)

An agent based approach for security integration in Business Rules Management System

Nawal Sad Houari and Noria Taghezout (Oran, Algeria)

An Improved Web Page Recommendation System Using Partitioning and Web Usage Mining

Jyotsna Chanda and Annappa B. (India)

Session 21

(Chairman: Dr. Souheila Bouam) (09h00 – 10h 30) Hall: S03

E-Bug: New Bug Path-planning algorithm for autonomous robot in unknown environment

Farouk Meddah and Lynda Dib (Annaba, Algeria)

Replacement of a failing node by using a two-phase method

Abdelmalek Boudries, Mourad Amad and Makhlouf Aliouat (Bejaia, Algeria)

A Low-Complex Coverage Eligibility Algorithm For Wireless Sensor Networks

Manel Chenait, Bahia Zebbane, Chafika Benzaid and Nadjib Badache (Algiers, Algeria)

Node Lifetime-Network Lifetime Tradeoff for Data Gathering Trees in Wireless Sensor Networks

Natarajan Meghanathan (USA)

Coffee Break (10h 30 – 11h00)

Conference Closing and Award Ceremony

(11h 00 – 12h00)

Lunch (12h 00 – 14h00)

Conference Excursion (14h 00 – 17h00)

Timgad

Dinner (18h 00 – 20h00)