

The 2nd International Conference on Big Data , Cloud and Applications



International Workshop on E-Learning
& Innovation Pedagogies


E-LIP'17

International Workshop on
Computational Optimization and
Engineering Applications


COEA'17

International Workshop on Internet
Of things and smart systems


IoTSS'17

International Workshop on Wireless
and Mobile Networks of
Next-Generation


MNNG'17

International Workshop on Multimedia
Indexing and Information Retrieval


WMIIR'17

March 29th and 30th, 2017

National School of Applied Sciences of Tetuan

<http://bdca17.uae.ma/>

BDCA 2017 Full Program

Tuesday March 28 th	
13h00 - 19h:00	Welcoming and Registration of Participants
Wednesday March 29 th	
08h00 - 08h:30	Welcoming and Registration of Participants
08h30 - 09h:00	Opening Ceremony
09h00 - 10h00	Keynote Talk : From Data Chaos to the Visualization Cosmos Prof. Robert S Laramée Swansea University, Wales - United Kingdom Chair : Prof. M. Arioua
10h00 - 10h30	Networking & Coffee Break
10h30 – 12h10	Oral Session BDCA 1 : Big Data Chairs: Prof. Z. Abdelhamid and Prof. K. Haddouch Room : 205
	Oral Session BDCA 2 : Cloud Computing Chairs: Prof. B. El Mouhajir and Prof. S. Jellouli Room : 206
	Oral Session E-LIP 1 : Adaptive Learning Systems Chairs: Prof. A. Abtoy and Prof. M. EL YADARI Room : 202
	Oral Session MIIR 1: Image Processing and Applications Chairs: Prof. A. SADIQ and Prof. K. Houssni Room : 201
12h10 - 14h30	Networking & Lunch Break
14:30 - 16:10	Oral Session BDCA 3 : NETWORK Chairs: Prof. N. Aknin and Prof. N. Enneya Room : 205
	Oral Session BDCA 4 : Big Data Chairs: Prof. A. EL HIBAOU and Prof. Ali Younes Room : 206
	Oral Session E-LIP 2 : E-learning Security and Remote Infrastructure Chairs: Prof. M. Ghailani and Prof. M. Chrayah Room : 202
	Oral Session MIIR 2: Objects Detection and Traking Chairs: Prof. A. Medouri and Prof. Y. Hadi Room : 201
16h40 - 18h40	Poster Session Chairs: Prof M. Chrayah, Prof. K. El Moutaouakil
	Oral Session BDCA 5 : Natural Language Processing Chairs: Prof M. Al Achhab and Prof. M. El Yadari Room : 205
	Oral Session BDCA 6 : Machine Learning Chairs: Prof. K. El Moutaouakil and Prof. N. El Akkad Room : 206
	Oral Session E-LIP 3 : Data analysis and Serious games Chairs: Prof. K.K. Florent and Prof. J. El Bouhidi Room : 202
16h10 - 16h40	Oral Session MIIR 3: Action Detection and recognition Chairs: Prof. J. Laassiri and Prof. Y. TABII Room : 201

BDCA 2017 Full Program

Thursday March 30 th	
08h15 - 09h00	Keynote Talk : IoT , Big data and Cloud Computing : Application to smart cities Prof. Aoued BOUKELIF University of Sidi-Bel-Abbes, ALGERIA Chair : Prof. O. Mahboub
09h00 – 10h00	Oral Session BDCA 7 : Big Data Chairs: Prof. S. Amjad and Prof. L. Benammor Room : 205
	Oral Session BDCA 8 : Machine Learning Chairs: Prof. S. Khouli and Prof. O. Chakkor Room : 206
	Oral Session BDCA 9: Image Analysis Chairs: Prof. M. Arioua and A. Medouri Room : 202
	Oral Session COEA 1: VRP1 Chairs: Prof. A. EL fallahi and Prof A. El afia Room : 201
10h00 - 10h30	Networking & Coffee Break
10h30 – 12h30	Oral Session BDCA 10 : Data Mining and Optimization Chairs: Prof. M. Ettaouil and Prof. Z. Besri Room : 205
	Oral Session BDCA 11 : Cloud Computing Chairs: Prof. S. El Kafhali and Prof. M. Hanini Room : 206
	Oral Session BDCA 12 : Information Retrieval Chairs Prof. N. Enneya and Prof. J. A. Chentoufi Room : 202
	Oral Session COEA 2: Reverse/maritime /hospital logistics Chairs: Prof. A. El Hilali Alaoui and Prof. H. Sarir Room : 201
12h30 - 14h30	Networking & Lunch Break
14h30 – 15:30	Keynote Talk : Digitalization of the Automotive Industry : Opportunities and Challenges Prof. Ismail Berrada USMBA, Fez – Morocco Chair : Prof. M. El Yadari
15:30 - 17:30	Oral Session BDCA 13 : Internet of Things Chairs: Prof. M.EN-NAIMI and Prof. Y. EL ALLIOUI Room : 205
	Oral Session BDCA 14 : Education Technology Chairs: Prof. J. Zbito and Prof. O. Chakkor Room : 206
	Oral Session BDCA 15 : Web 2.0 Chairs: Prof. A. Boulaalam and Prof. Y. ELALAMI Room : 202
	Oral Session COEA 3: VRP2 Chairs: Prof. M. Reghioui, Prof A. El Afia Room : 201
	Oral Session COEA 4 : Artificial intelligence Chairs: Prof A. Lajjam and Prof. M. El Merouani Room : 106
17h30 - 18h00	Coffee Break & Closing Ceremony

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Oral Session BDCA 1 : Big Data

10h30 – 12h10, Wednesday March 29th 2017

Chairs: Prof. Z. Abdelhamid and Prof. K. Haddouch

Room : 205

Data Collect Requirements Model

Iman Tikito and Nissrine Souissi

Revisiting BFR Clustering Algorithm for Large Scale Gene Regulatory Network Reconstruction using MapReduce

Meroua Daoudi and Souham Meshoul

Towards Clustering Validation in Big Data Context

Soumeya Zerabi, Souham Meshoul, Amina Merniz and Radia Melal

Threshold-based load balancing algorithm for Big Data on a Cloud environment

Yassir Samadi and Mostapha Zbakh

Oral Session BDCA 2 : Cloud Computing

10h30 – 12h10, Wednesday March 29th 2017

Chairs: Prof. B. El Mouhajir and Prof. S. Jellouli

Room : 206

A new cloud computing approach based SVM for relevant data extraction

Saouli Hamza, Ghamri Abderaouf, Merizig Abdelhak and Kazar Okba

A new reformulation of the load balancing problem in cloud computing based on TSP and ACO

Chouaib Moussaddaq, Abdeallah Ezzati and Rachid El Harti

Fully homomorphic encryption: Searching over encrypted cloud data

Ahmed El-Yahyaoui and Mohamed Dafir Ech-Chrif El Kettani

Mobiles Agents and Virtual Firewall to Secure the Shared Network for Virtual Machines in IaaS cloud

Hicham Toumi, Bouchra Marzak, Eddaoui Ahmed and Mohamed Talea

A Modeling Framework for the Moroccan sociolect recognition used on the social media

Fadoua Mansouri, Abdelalim Sadiq and Ikram El Azami

Oral Session E-LIP 1 : Adaptive Learning Systems

10h30 – 12h10, Wednesday March 29th 2017

Chairs: Prof. A. Abtoy and Prof. M. EL YADARI

Room : 202

Adaptive Educational Hypermedia Systems: Current Developments and Challenges

Kenza Sakout Andaloussi, Laurence Capus and Ismail Berrada

A new LOM application profile to describe complementary pedagogical resources in an CRHL

Mohammed Kamal Rtili, Mohammed Khaldi, Marouane El Mabrouk and Ali Dahmani

Revision of the learning resources modeling concept by Recursive Entity Modeling Method (REMM)

Amal Rifai, M'Hamed Bakrim, Majda Tahri Joutey and Abdelalim Sadiq

A New Responsive SCORM Design (RSCOD) Approach Based Semantic Learning Object (SLO) Using SharePoint Learning Kit (SLK)

Zouhair Rimale, El Habib Ben Lahmar and Abderrahim Tragha

Modeling of Problem Based Learning Strategy by Recursive Entity Modeling Method

Amal Rifai, Majda Tahri Joutey, M'Hamed Bakrim and Abdelalim Sadiq

Oral Session MIIR 1: Image Processing and Applications

10h30 – 12h10, Wednesday March 29th 2017

Chairs: Prof. A. SADIQ and Prof. K. Houssni

Room : 201

A Semi-Blind Information Hiding Technique Using DWT-SVD and QAM-16 for Medical Images

Ayad Habib and Khalil Mohammed

Novel parallel Givens QR decomposition implementation on VLIW architecture with Efficient memory access for real time image processing applications

Mohamed Najoui, Anas Hatim and Said Belkouch

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Context Arabic Handwriting Recognition Using Cross Learning based Hybrid HMM/MLP Models

Rabi Mouhcine, Mustapha Amrouch and Zouhir Mahani

Watershed transform for text lines extraction on binary handwritten documents

Youssef Boulid, Abdelghani Souhar, El Bachir Ameur and Mly Moustafa Ouagague

New Image Steganography Method Based on K-means Clustering

Ismail Kich, El Bachir Ameur and A. Souhar

Oral Session BDCA 3 : NETWORK

14:30 - 16:10, Wednesday March 29th 2017

Chairs: Prof. N. Akinin and Prof. N. Enneya

Room : 205

Implementation and Performance Evaluation of Intrusion Detection Systems under high-speed networks

Mohammed Saber, Mohammed Ghaouth Belkasmi, Sara Chadli, Mohamed Emharraf and Ilhame El Farissi

Performance Evaluation of Cluster Validity Methods in K-Medoids Algorithm applied to WSN

Aziz Mahboub, El Mokhta En-Naimi, Mounir Arioua and Anas Hatim

A Stable Route Prediction and the Decision Taking at Sending a Data Packet in a Highway Environment

Mohamed Nabil, Abdelmajid Hajami and Abdelkrim Haqiq

A Seamless Handover Based MIH-Assisted PMIPv6 in Heterogeneous Network (LTE-WIFI)

Asmae Ait Mansour, Nourddine Enneya and Mohammed Ouadou

Oral Session BDCA 4 : Big Data

14:30 - 16:10, Wednesday March 29th 2017

Chairs: Prof. A. EL HIBAOUI and Prof. Ali Younes

Room : 206

Exploiting Open Data to Improve the Business Intelligence & Business Discovery Experience

Oussama El Bacha, Othmane Jmad, Younes El Bouzekri El Idrissi and Nabil Hmina

Comparative study: Dependability of Big Data in the Cloud

Fatima Ezzahra Mdarbi, Nadia Afifi and Imane Hilal

A Cloud Face Recognition System using A New Optimal Local Binary Pattern

Karim El Moutaouakil, Abdellatif Dahmouni and Khalid Satori

Search Engine Optimization to detect user's intent

Salma Gaou, Aissam Bekkari, Marouane El Mabrouk and Abdelhamid Zouhair

Oral Session E-LIP 2: E-learning and Remote Infrastructure

14:30 - 16:10, Wednesday March 29th 2017

Chairs: Prof. M. Ghailani and Prof. M. Chrayah

Room : 202

Design of a Remote Experience for Electrical Engineering Using Embedded Systems

Abdelmoula Abouhilal, Amine Moulay Taj, Mohamed Mejdal and Abdessamad Malaoui

Towards a Cloud-Based Virtual Infrastructure for Enhancing Collaborative Learning

Abderrahim El Mhouti, Mohammed Erradi and Azeddine Nasseh

EI-Security: E-learning Systems Security Checker Plug-in

Karima Aissaoui and Mostafa Azizi

Social Learning tool for a conceptual change

Rajaa Aoulad Moussa, Mourad Madrane, Rachid Janati-Idrissi and Mohamed Laafou

Development and Management of A Remote Laboratory in Physics for Engineering Education

Yassine Khazri, Ahmed Fahli, Mohammed Moussetad and Sabir Brahim.

Application of Arabic language processing in language learning

Anoual El Kah, Imad Zeroual and Abdelhak Lakhouaja

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Oral Session MIIR 2: Objects Detection and Traking

14:30 - 16:10, Wednesday March 29th 2017

Chairs: Prof. A. Medouri and Prof. Y. Hadi

Room : 201

Evaluation of PCL's Descriptors for 3D Object Recognition in Cluttered Scene

Nabila Zrira, Fatima Zahra Ouadiay, Mohamed Hannat, Bouyakhf El Houssine and Mohammed Majid Himmi

Particle Filter Object Tracking Based on Color Histogram and Gabor Filter Magnitude

Mohammed Lahraichi, Khalid Housni and Samir Mbarki

A Customer Emotion Recognition through Facial Expression using POEM descriptor and SVM classifier

Moulay Smail Bouzakraoui, Abdealim Sadiq and Nourddine Enneya

Human Fall Detection Using Von Mises Distribution and Motion Vectors of Interest Points

Abdessamad Youssfi Alaoui, Rachid Oulad Haj Thami, Azeddine Elhassouny and Hamid Tairi

Overview on 3D models searching and indexing

Souhaib Douass and M'Hamed Ait Kbir

Oral Session BDCA 5 : Natural Language Processing

16h40 - 18h40, Wednesday March 29th 2017

Chairs: Prof M. Al Achhab and Prof. M. El Yadari

Room : 205

A comparison of Text Classification methods Method of weighted terms selected by different Stemming Techniques

Mariem Bounabi, Karim El Moutaouakil and Khalid Satori

Graph based Representation for Arabic Text Categorization

Meryeme Hadni, Mounir Gouiouez and Said El Alaoui Ouatik

Build a Morphosyntactically Annotated Amazigh Corpus

Amri Samir, Zenkour Lahbib and Outahajala Mohamed

Developing and performance evaluation of a new Arabic heavy/light stemmer

Imad Zeroual, Mohamed Boudchiche, Azzeddine Mazroui and Abdelhak Lakhouaja

Multilabel categorization of death certificates using NLP and Machine Learning

Imane Allaouzi and Mohamed Ben Ahmed

Syntactic entropy for main content extraction from web pages

Ismail Jellouli, Badr Eddine El Mohajir and Mohammed Al Achhab

Oral Session BDCA 6 : Machine Learning

16h40 - 18h40, Wednesday March 29th 2017

Chairs: Prof. K. El Moutaouakil and Prof. N. El Akkad

Room : 206

An Effective Genetic Algorithm for solving Series-parallel power system problem

Amine Amarir, Mustapha Essadqi and Abdellah Idrissi

Data-driven based aircraft maintenance routing by markov decision process model

Oussama Aoun and Abdellatif El Afia

Prediction of Supplier Performance: A Novel Dea-Anfis Based Approach

Rohaifa Khaldi, Raddouane Chiheb, Abdellatif El Afia and Adil Akaaboune

New checker for constraint networks solutions

Khalid Haddouch and Karim El Moutaouakil

Directionnal Data Classification Using a Hierarchical model of Von Mises Distribution

Said Benlakhdar, Mohammed Rziza and Rachid Oulad Haj Thami

Sentiment Analysis using supervised classification algorithms

Yassine Al-Amrani, Mohamed Lazaar and Kamal Eddine Elkadiri

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Oral Session E-LIP 3 : Data analysis and Serious games

16h40 - 18h40, Wednesday March 29th 2017

Chairs: Prof. Florent K.K and Prof. M. Khaldi

Room : 202

Serious games modeling

Chaimae Meftah, Asmaa Retbi, Samir Bennani and Mohammed Khalidi Idrissi

Gamified Stress Management Calendar for Higher Education Students

Mohammed Berehil, Karim Arrhioui and Samir Mbarki

Integration of Data Mining Techniques in E-Learning Systems

Anas El Moustamid, Jaber El Bouhdidi, El Mokhtar En-Naimi

Promoting elementary mathematics learning through digital games

Tariq Bouzid, Hassane Darhmaoui and Fatiha Kaddari

Mining Moocs Videos Metadata Using Classification Techniques

Othman El Harrak, Abderrahim Ghadi and Jaber El Bouhdidi

Apport de la théorie de l'activité et des outils collaboratifs à la gestion des connaissances

Megder El Hassan, Cherkaoui Chihab and Mammass Driss

Oral Session MIIR 3: Action Detection and recognition

16h40 - 18h40, Wednesday March 29th 2017

Chairs: Prof. J. Laassiri and Prof. Y. TABII

Room : 201

Face Detection Using Rotated Asymmetric Haar Features

Mohamed Oualla and Sadiq Abdelalim

Adaptive Appearance Model in Particle filter based Visual Tracking

Wiam Oulad Abdeslam, Youness Tabii and Kamal Eddine El Kadiri

Face Tracking based on Hierarchical Motion and Motion Models

Asmae Rabhi, Yassine Elghayam, Abdelalim Sadiq and Abdelaziz Mouloudi

Detection and Recognition of Road Signs

Hassan Bousnguar, Ilias Kamal, Khalid Housni and Moulay Youssef Hadi

Car Make and Model Recognition using Sparse Coding and Bag of Features

Ilias Kamal, Khalid Housni and Moulay Youssef Hadi

Oral Session BDCA 7 : Big Data

09h00 – 10h00, Thursday March 30th 2017

Chairs: Prof. S. Amjad and Prof. L. Benammor

Room : 205

Toward Efficient Ranked-key Algorithm for the Web notification of Big Data Systems

Mohamedou Cheikh Tourad and Abdelmounaim Abdali

Big Data Analytic Techniques in Virtual Screening for Drug Discovery

Karima Sid and Mohammed Chawki Batouche

Association rules mining on MapReduce

Saida El Mendili, Younes El Bouzekri El Idrissi and Nabil Hmina

Oral Session BDCA 8 : Machine Learning

09h00 – 10h00, Thursday March 30th 2017

Chairs: Prof. S. Khouli and Prof. O. Chakkor

Room : 206

Particle swarm optimization for model selection of aircraft maintenance predictive models

Abdellatif El Afia and Malek Sarhani

Classification of Breast Cancer with Improved Self-Organizing Maps

Hicham Omara, Mohamed Lazaar and Youness Tabii

Artificial Neural Network Based Approach for Blood Demand Forecasting: Fez Transfusion Blood Center Case Study

Rohaifa Khaldi, Abdellatif El Afia and Raddouane Chiheb

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Oral Session BDCA 9: Image Analysis

09h00 – 10h00, Thursday March 30th 2017

Chairs: Prof. M. Arioua and A. Medouri

Room : 202

Cluster calibration for processing monitoring data

Charif Mahmoudi and Fabrice Mourlin

Popularity Prediction of Videos in Youtube as Case Study: A Regression Analysis Study

Soufiana Mekouar, Nabila Zrira and El-Houssine Bouyakhf

Collecting and Processing Multilingual Streaming Tweets for Sentiment Analysis

Abdeljalil Elouardighi, Hafdalla Hammia, Mohcine Maghfour and Miloud Chater

Oral Session COEA 1: VRP1

09h00 – 10h00, Thursday March 30th 2017

Chairs: Prof. A. EL fallahi and Prof A. El afia

Room : 201

Ant Colony system approach for dynamic vehicles routing problem multi tours

Khaoula Ouaddi, Youssef Benadada and Fatima- Zahra Mhada

Problème de tournées de véhicules avec contraintes de capacité et fenêtres horaire

Mohamed Laariba and Kamal Eddine El Kadiri

Resolution of a dynamic Vehicle Routing Problem with Soft Time Windows basing on the static problem resolution by the hybrid approach

Bouchra Bouziyane, Btissam Dkhissi and Mohammad Cherkaoui

Oral Session BDCA 10 : Data Mining and Optimization

10h30 – 12h30, Thursday March 30th 2017

Chairs: Prof. M. Ettaouil and Prof. Z. Besri

Room : 205

Neural Network Approach for Fault Detection in Substations

Elmahdi Khoudry, Abdelaziz Belfqih and Mohamed Nouh Dazahra

Penguins Search Optimization Algorithm to Solve Quadratic Assignment Problem

Ilyass Mzili, Mohammed Essaid Riffi and Fatiha Benzekri

A Legacy Application Metamodel for Modernization

Khadija Sabiri and Faouzia Benabbou

Intentional Islanding based on Dynamic Selection Algorithm in Microgrid with distributed generation

Youssef Hamdaoui and Abdelilah Maach

Fuzzy logic controller for an adaptatif Huang cooling of simulated annealing

Abdellatif El Afia, Mohamed Lalaoui and Raddouane Chiheb

Multilayer Perceptron: Architecture Optimization and training with mixed activation functions.

Hassan Ramchoun, Mohammed Amine Janati Idrissi, Mohamed Ettaouil and Youssef Ghanou

Oral Session BDCA 11 : Cloud Computing

10h30 – 12h30, Thursday March 30th 2017

Chairs: Prof. S. El Kafhali and Prof. M. Hanini

Room : 206

A Hybrid Approach for Optimized Composition of Cloud Services

Soumia Zertal and Mohamed Batouche

Secure confidential big data sharing in cloud computing using KP-ABE scheme

Sara Amghar, Yassine Tabaa and Abdellatif Medouri

Enabling Data Integrity for Storage Security in Cloud Computing

Zaid Kartit, Hamid Lghazi and Abdelalim Sadiq

Securing Data in Cloud Computing by Classification and Cryptography

Ibtissam Ennajjar, Youness Tabii and Abdelhamid Benkaddour

Towards a Stochastic Model for Integrated detection and filtering of DoS attacks in Cloud environments

Iman El Mir, Dong Seong Kim and Abdelkrim Haqiq

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Impact of Selecting VM with Least Load on Tasks Scheduling Algorithms in Cloud Computing

Tahani Aladwani

Oral Session BDCA 12 : Information Retrieval

10h30 – 12h30, Thursday March 30th 2017

Chairs Prof. N. Enneya and Prof. J. A. Chentoufi

Room : 202

Restoration image degraded by blurred variable in the field

Youness Bentahar, Hanane Dalimi, Said Amar and Mohamed Afifi

A Framework for Semantic Video Content Indexing and Retrieval using Contextual Information

Mbarak Charhad, Sadek Mansouri and Mounir Zrigui

Hand Gesture Recognition Using Kinect's Geometric and HOG Features

Marouane Hamda and Abdelhak Mahmoudi

FAST SIMILARITY SEARCH IN HIGH-DIMENSIONAL IMAGES DATABASES

Youssef Hanyf and Hassan Silkan

Protection of the digital image features: Modeling and resolution by genetic algorithm

Noureddine Joudar and Mohamed Ettouil

Arabic Text Detection in News Video based on Line Segment Detector

Sadek Mansouri, Mbarak Charhad and Mounir Zrigui

Oral Session COEA 2: Reverse/maritime /hospital logistics

10h30 – 12h30, Thursday March 30th 2017

Chairs: Prof. A. El Hilali Alaoui, Prof. H. Sarir

Room : 201

Metaheuristics Applied in Remanufacturing and Reverse logistics: A review

Hanane Rachih, Fatima- Zahra Mhada and Raddouane Chiheb

Optimization of Vehicle Routing Problem in the Context of Reverse Logistics of Handling Containers in Closed Loop

Khaoula Bouanane and Youssef Benadada

A global mapping of the Moroccan supply chain of hospital drugs, and a simulation of the dispensation process

Houda Mezouar and Abdellatif El Afia

Onsite Medical waste multi-trip vehicle routing problem with time windows

Zkeik Hajar, Dkhissi btissam and Reghioui Mohamed

A multi-objective model for discrete and dynamic Berth Allocation Problem

Issam El Hammouti, Azza Lajjam, Mohamed El Merouani, Kawthar Aharmouch and Yassine Tabaa

A model for the continuous berth allocation and crane assignment with an introduction of Ant Colony adaptation approach

Nassima Zrouni, Btissam Dkhissi and Abdellah El Fallahi

Oral Session BDCA 13 : Internet of Things

15:30 - 17:30, Thursday March 30th 2017

Chairs: Prof. M.EN-NAIMI and Prof. Y. EL ALLIOUI

Room : 205

Cloud Computing Performance Evaluation under Dynamic Resource Utilization and Traffic Control

Mohamed Hanini and Said El Kafhali

Toward interoperability approach between Federated Systems

Hasnae L'Amrani, Badr Eddine Berroukech, Younès El Bouzekri El Idrissi and Rachida Ajhoun

Recommendation Semantic of Services in Smart City

Chaymae Benfares, Younès El Bouzekri El Idrissi and Abdellah Abouabdellah

Security of communications in connected cars

Sanae Tbatou, Azzedine Ramrami and Youness Tabii

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Towards an automatic generator of mathematical exercises based on semantic

Imane Lmati, Habib Benlahmar and Naceur Achtaich

Oral Session BDCA 14 : Education Technology

15:30 - 17:30, Thursday March 30th 2017

Chairs: Prof. J. Zbito and Prof. O. Chakkor

Room : 206

E-Learning Real time Analysis Using Large Scale Infrastructure

Abdelmajid Chaffai, Larbi Hassouni and Houda Anoun

State of the art in Big Data: issues and approaches

Imane Labdaoui and Youness Tabii

Semantico-automatic Evaluation of Scientific Papers: State of the Art

Sara Mifrah and El Habib Ben Lahmar

An approach for the detection of plagiarism of ideas

Hambi El Mostafa and Benabbou Faouzia

Towards an ontology of dependability Automatic search approach with Systematic Mapping

Nadia Zahir, Nadia Afifi and Imane Hilal

Oral Session BDCA 15 : Web 2.0

15:30 - 17:30, Thursday March 30th 2017

Chairs: Prof. A. Boulaalam and Prof. Y. ELALAMI

Room : 202

Safe and Irrefutable Decentralized Transactions

Harry Kamdem, Thomas Djotio and Rachid Oulad Haj Thami

Detecting Malicious Users in Social Network via Collaborative Filtering

Fatna Elmendili and Younes El Bouzekri El Idrissi

Methodological Sketch of Observer-Based Access Control

Mohammed Walid Krakallah and Safia Nait-Bahloul

Towards the semantic annotation of Web of Things A collective disambiguation approach

Ismail Nadim, Yassine Elghayam and Abdelalim Sadiq

Get public opinion from the web : A survey of Text Mining techniques

Abdelkader Rhouati, El Hassane Ettifouri, Mohammed Ghaouth Belkasmi, Jamal Berrich and Bouchentouf Toumi

Oral Session COEA 3: VRP2

15:30 - 17:30, Thursday March 30th 2017

Chairs: Prof. M. Reghioui, Prof A. El Afia

Room : 201

Locating Nearby Delivery Zones in an Urban Logistics Context

Ahmed Miloudi, Btissam Dkhissi and Abdellah Elfallahi

Solving the location-routing problems Using Clustering Method

Fadoua Oudouar and Abdelah El Fellahi

A Hybrid Ant Colony applied to Inventory Routing Problem

Cheikh Noufissa and El Merouani Mohamed

Analysing Clustering Routing Protocols Performance for Vehicular Networks

Bouchra Marzak, Hicham Toumi, Elhabib Benlahmar and Mohamed Talea

An Optimal Constraint Model of Robustness Behavior for Object Oriented Programs

Khadija Louzaoui and Khalid Benlhachmi

BDCA 2017 Full Program

Oral Session COEA 4 : Artificial intelligence

15:30 - 17:30, Thursday March 30th 2017

Chairs: Prof A. Lajjam and Prof. M. El Merouani

Room : 106

Estimate of Stochastic Model Parameter of Exchange Rate Using Artificial Intelligence

Mostafa El Hachloufi, Hamza Faris and Mohammed El Haddad

Simulation of electromagnetic waves propagation in free space using netlogo multi-agent approach

Hanan El Faylali, Hamid Bezzout, Sara Hsaini and Salam Azzouzi

Supervised learning in Branch-and-cut strategies

Abdelatif Elafia and Mustapha Kabbaj

New Approach for Microarray Data Decision Making with Respect to Multiple Sources

Fadoua Rafii, Badr Dine Rossi Hassani and M'hamed Aït Kbir

Existence and uniqueness of entropy solutions for some nonlinear elliptic unilateral problems in Musielak-Orlicz-Sobolev spaces

Mohammed Al-Hawmi and Hassane Hjiiaj

Poster Session

14:30 - 16:10, Wednesday March 29th 2017

Chairs: Prof M. Chrayah, Prof. K. El Moutaouakil

Data Security and risks for IoT intercommunicating objects

Jalal Laassiri

Security in Cloud-Based Medical Image Processing: Requirements and Approaches

Marwan Mbarek, Kartit Ali and Ouahmane Hassan

Design a Secure Framework for Cloud-Based Medical Image Storage

Marwan Mbarek, Kartit Ali and Ouahmane Hassan

Survey of Plagiarism Detection Approaches and Big data Techniques related to Plagiarism Candidate Retrieval

Oumaima Hourrane and El Habib Benlahmar

Big Data Technologies to Improve Medical Data Warehousing

Abderrazak Sebaa, Amina Nouicer, Fatima Chikh and Abdelkamel Tari

New initialization for clustering algorithms combining distance and density

Mohamed El Alaoui and Hussain Ben-Azza

From Data to Big Data: Moroccan public sector

Rachida Khtira, Bouchra Elasri and Maryem Rhanoui

The Customer Experience in a regulatory environment: Case of mobile telecommunications services in Morocco

Ikrame Belabbes, Aziza Amine and Mourad Oubrich

Machine learning for personalized access to multiple data sources through ontologies State of art

Oumayma Banouar and Said Raghay

New access control policies for private network and protocol security

Yousra Hafid and Jalal Laassiri

Multi-Objective examination Timetabling Problem: Modeling and resolution using a based ϵ -constraint method

Abounacer Rachida and Dkhissi btissam



Big Data, Cloud and Applications



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