

Day 1: Wednesday, April 17, 2019	
09:00	<b>Registration and Reception</b> - <a href="#">Conference room hall</a>
10:00	<b>Opening &amp; Welcome from discussion Panel members</b> - <a href="#">Conference room</a>
10:30	<b>Plenary session 1: "Intelligent Systems on Paper Currency Recognition"</b> Muhammad Sarfraz <a href="#">Conference room</a>
11:15	<b>Morning Coffee Break + Poster Session PS_01</b> - <a href="#">Conference room hall</a> ;
11:45	<b>Plenary session 2: "Ambiguity in Arabic text mining: challenges and solutions"</b> Azzeddine Mazroui <a href="#">Conference room</a>
12:30	<b>Plenary session 3: "The Application of Forecasting Techniques in Telecommunications and Information Systems"</b> A. Manuel de Oliveira Duarte <a href="#">Conference room</a>
13:15	<b>Lunch Break</b>
15:15	<b>Plenary session 4: "Decision-theoretic planning for multi-robot systems in public space"</b> <a href="#">Abdelillah Mouaddib</a> <a href="#">Conference room</a>
16:00	<b>Plenary session 5: "Comment l'Intelligence Artificielle peut-elle améliorer la qualité de l'apprentissage?"</b> Rachida Ajhoun <a href="#">Conference room</a>
16:45	<b>Afternoon Coffee break + Poster Session PS_02</b> - <a href="#">Conference room hall</a>
17:15	<b>Session_01: Database and Web environment</b> <a href="#">Conference room</a>
	<b>Session_02: Natural Language Processing</b> <a href="#">Room 1 Bloc C</a>
Day 2: Thursday, April 18, 2019	
9:00	<b>Registration and Reception</b> - <a href="#">Conference room hall</a>
9:30	<b>Plenary session 6: "An approach based on machine learning of latent semantics from textual (unstructured) data"</b> Hammou FADILI <a href="#">Conference room</a>
10:15	<b>Plenary session 7: "Research Methodology"</b> Ebad Banissi <a href="#">Conference room</a>
11:00	<b>Morning Coffee Break + Poster Session PS_03</b> - <a href="#">Conference room hall</a> ;
11:30	<b>Session_03: Signal, Image And Video Processing</b> <a href="#">Conference room</a>
	<b>Session_04: Telecommunications &amp; Signal</b> <a href="#">Room 1 Bloc C</a>
13:00	<b>Lunch Break</b>
15:00	<b>Plenary session 8: "Learning Analytics"</b> Pedro Teixeira Isaias <a href="#">Conference room</a>
15:45	<b>Session_05: Telecommunications &amp; Networking</b> <a href="#">Conference room</a>
	<b>Session_06: Optimization And Decision</b> <a href="#">Room 1 Bloc C</a>
17:15	<b>Afternoon Coffee break + Poster Session PS_04</b> - <a href="#">Conference room hall</a>
17:45	<b>Best Papers Award and Closing</b>
Day 3: Friday, April 19, 2019	
9:00 - 12:00	<b>Social Event, Excursion</b>

## Keynote Speeches

<b>Keynote Speech 1</b>	Title: Intelligent Systems on Paper Currency Recognition, Author: Professor Muhammad Sarfraz.
<b>Keynote Speech 2</b>	Title: Ambiguity in Arabic text mining: challenges and solutions, Author: Professor Azzeddine Mazroui.
<b>Keynote Speech 3</b>	Title: The Application of Forecasting Techniques in Telecommunications and Information Systems, Author: Professor A. Manuel de Oliveira Duarte.
<b>Keynote Speech 4</b>	Title: Decision-theoretic planning for multi-robot systems in public space, Author: Professor Abdelillah Mouaddib.
<b>Keynote Speech 5</b>	Title: Comment l'Intelligence Artificielle peut-elle améliorer la qualité de l'apprentissage? Author: Professor Rachida Ajhoun.
<b>Keynote Speech 6</b>	Title: An approach based on machine learning of latent semantics from textual (unstructured) data, Author: Professor Hammou FADILI.
<b>Keynote Speech 7</b>	Title: Research Methodology, Author: Professor Ebad Banissi.
<b>Keynote Speech 8</b>	Title: Learning Analytics, Author: Professor Pedro Teixeira Isaias.

## Oral Sessions

### SESSION 01: DATABASE AND WEB ENVIRONMENT

**Chair: Ebad BANISSI/Hicham ZOUGAGH**

A. EL-ALAMI	QoS-Aware Services composition using Genetic Algorithm and Skyline
F. AL KADERI	Internet of Things and Big Data technologies for maritime container terminal management
N. FIKRI	On-Demand Reporting Webservices Using Resilient Distributed Datasets
Y.A. BACHIRI	Contribution to the improvement of evaluation approaches in MOOC platforms
Y.EL KHANBOUBI	Exploiting Blockchains to improve Data Upload and Storage in the Cloud
Y. MADANI	A Recommender approach for an e-learning platform based on social network analysis and collaborative filtering
M. SARFRAZ	An e-Control Automated Administrative Information System for Kuwait High Schools

### SESSION 02: NATURAL LANGUAGE PROCESSING

**Chair: Hammou FADILI/ Rachid EL AYACHI**

O. MAAROUF	A new Approach of Natural Language Processing to correct the Result of an OCR
M. ELKHAYATI	A new approach for Arabic handwritten text lines segmentation
R. KHALLOUFI	Documents Indexing and Summarization
A. OUISAADANE	English Spoken Digits Database under noise conditions for research: SDDN
M. EL HASSANI	Search for information in text files

### SESSION 03: SIGNAL, IMAGE AND VIDEO PROCESSING

**Chair: Muhammad SARFRAZ/Cherki DAOUI**

S.ELOUAHAM	The quantitatively and qualitatively Conservation of the Informations existing in Myopathy And Neuropathy Signals
A. AZI	Line Area Monitoring using Structural Similarity Index Implementation for supervising Car Reverse Test in driving license exam
S. ZAYRIT	The diagnosis of neurologic disease by using the treatment of signal by applying the Mel Frequency Cepstral Coefficient (MFCC) method
I. RAHIL	Semantic Annotation and Automatic Analysis of Video: Application to the Detection of Acts of violence in a Video Sequence
M. A. JALLAL	Predicting global solar radiation using Autoregressive Bayesian Regularization Artificial Neural Network
I. KHOULQI	Segmentation and Classification of Breast cancer
M. SARFRAZ	SmartiWash: Differentiate Fabric Types to Facilitate Washing Clothes

### SESSION 04: TELECOMMUNICATIONS & SIGNAL

**Chair: A. Manuel DE OLIVEIRA DUARTE/Mourad NACHAOUI**

M. A. ZAYTAR	Satellite Imagery Noising with Generative Adversarial Networks
E.AZOUGAGHE	Generalized serially concatenated codes: construction and iterative decoding
A. KHABBA	Wideband Millimeter -wave Antenna Array for 5G Wireless Applications
A. EL YASSINI	Design of Array Antenna for RFID Technology Applications
A. RIADI	3-D Multipolarized antenna arrays in Massive-MIMO system for 5G Wireless Communications
S. ZOUGA	Robust Control of three phase Grid Connected PV System

M. SARFRAZ	An Efficient Electronic Medical Record System
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### **SESSION 05: TELECOMMUNICATIONS & NETWORKING**

**Chair : Abdelouhab ZEROUAL /Najlae IDRISSE**

M. BELGHZAL	Optimization of the Energy Management of « LEACH » Protocol in WSN
R. ZOUBAIRI	Toward exhaustive and scalable look-up service Middleware for resource constrained IoT devices.
H. GARMANI	A Game Theory Approach for UAV-based Flying Access Networks
M. EL AMRANI	A Pricing Model to Optimize Transmission Strategies for Mobile Devices
S. NEMMAOUI	A Survey on latest privacy attacks and defences
D. AIT OMAR	Bounded Rationality and Policy Impact in Emerging ISP-CP Relationships

### **SESSION 06: OPTIMIZATION AND DECISION**

**Chair: M. M'rabet HASSANI/ Abdellatif HAIR**

H. LIONBOUI	An economic optimization modeling for sustainable water resources management in agriculture: a case study in the Tadla sub-Basin, Morocco
J.I AKIMANA	Maximum likelihood estimator for SIS epidemic parameters model
A. BOUDHAR	The optimal management of the water resources in Morocco: Application of regional economic Models
B. EL AKRAOUI	Solving Finite-Horizon Markov Decision Processes with decomposition technique
M.J.ELADNANI	Management du Système d'Information Ressources Humaines appliqué au processus de recrutement dans les organisations publiques : Cas de l'ERP Odoo au profit de la Faculté Polydisciplinaire de Béni Mellal
D. MAMADI	Finding the Addressing Modes Using Backus-Naur Form
A. ALBATHALI	An Automated Management System for Student Services

## **Poster Sessions**

### **SESSION PS 01: OPTIMIZATION AND DECISION**

**Chair: Cherki DAOUI**

I. CHAKOUR	A New Multi-Agent System Based On Distributed Data Mining Algorithms To Detect Breast Cancer
O. MAAROUF	Realization of an intelligent evaluation system
S. KHALIL	Design and implementation of a web content mining application
B. MOUSTAID	Ontological approach for the management of competences
Y. DABACHIN	Air Traffic Scheduling in the Ground
O.FAROUC	A review of Students orientation systems
A. KHANOUCHE	Determination of Particle Energy Spectra at the exit of the lateral channels of a reactor
A. AMINE	Analysis and design process of a decision-making system for the Moroccan university

### **SESSION PS 02: SIGNAL, IMAGE AND VIDEO PROCESSING**

**Chair: Youssef EL MOURABIT**

E. OUASSAM	Traffic signal control based on the Markov Decision Process
N. BOUJEMAA	Secure transmission of medical data via the virtual bio-instrument
H. HATIMI	Classification of eye based on fuzzy logic

A. M. ALJAMALI	Classification and Design of Islamic Geometric Patterns Using Computer Graphics
K. TAIFI	A Hybrid the DWT and Enhancement Filter: Application on Road Images for Crack Detection
H. BAOUAHI	Generation of frequent closed patterns by Close, Closet, Max-miner, and KDCI algorithms
S. ESSAGHIR	Comparative Study of Three Phase Grid Connected Photovoltaic system Using PI, PR and Fuzzy Logic PI Controller with harmonic analysis
M. BOUAOUID	Conformable fractional derivative in image processing

### **SESSION PS 03: TELECOMMUNICATIONS AND NETWORKING**

**Chair: Brahim MINAOUI**

A. AIT TEMGHART	Toward Energy-Efficient in Wireless Sensor Networks
D. AIT OMAR	An Efficient Online Cache Replacement Algorithm for Content Delivery Networks
K. TOUYA	A game theoretic analysis for competition over popularity in social networks
M. OURIHA	Industry 4.0 to Predictive Maintenance: Predictive Model of Hard Disk Failures based on Operational Data
A. BEN CHARKE	The Bro and Suricata intrusion detection performance in the high-speed connection
K. AIT RAI	A comparison between some methods used to identify influential nodes in complex networks
M. SALIM	A comparative study of routing protocols in Wireless Sensor Networks based on IR-UWB
N. MEKKAOUI	Comparing the performance of AODV and DSDV in VANETs

### **SESSION PS 04: MASTER STUDENTS SESSION**

**Chair: Mohamed BASLAM**

L. STEH .	Comparative Study of Algorithms for Association Rule Mining
Y. TOUFIKI	Comparison of some supervised and unsupervised classification algorithms
R. NASSIR	The extraction of frequent itemset (closed) and advanced data structure.
O. ABBASSI	Comparison of Classification techniques (J48, ID3, Random tree, Random Forest)
A. ZOUHIR	Comparative Study of some Algorithms for Association Rule Mining
O. FIKRI	Comparison of Data Mining Algorithms C4.5, NB, Apriori and EM
M. BOUSSAKSSOU	Classification of Medical Datasets using Decision Tree Algorithms
C. CHAOURA	Extraction of frequent itemsets
K. EL MESTAR	A comparative study between « Eclat, SAM, SSDM, Relim »
L. GOUSKIR	Comparison between SVM, CLARA, PAM and K-MEANS
Y. TICHIRA	Extraction of frequent closet itemsets by Close, A-Close and Closet Algorithms
Y. FAKIR	A Comparative Study on Clustering and Classification Algorithm
A. SIJASSE	Comparison of some clustering algorithms