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SITA'18



12th INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS: THEORIES AND APPLICATIONS

October 24-25, 2018
Ecole Mohammadia d'Ingénieurs
Mohammed V University in Rabat



Day 1: Wednesday October 24th, 2018

8h00 **Registration**
9h00-9h30 **Opening Ceremony**
9h30-10h30 **Keynote I** **Room: Grand Amphi**

Fuzzy approaches to information quality

Dr. Bernadette Bouchon-Meunier
Université Pierre et Marie Curie-Paris 6

1030h-11h00 **Coffee break**
11h00-12h30 **Session 1-1** **Networking and Telecommunications 1**
 Room: Grand Amphi

ID19. Optimal resource allocation in wireless systems under quality of service constraint. Sara Riahi and Azzeddine Riahi
ID93. Modelization of Energy in WSN basing on LEACH Protocol and Polynomial Model. Mohammed Jabri, Omar Moussaoui and Mimoun Moussaoui
ID52. Energy comparison of zoning techniques in geographic forwarding rules for OLSR. Mohammed Souidi, Ahmed Habbani, Halim Berradi and Fatna Elmahdi
ID36. A New Signaling Topology for Multiparty Web Real-time Video Conference Networks. Asma El Hamzaoui, Hicham Bensaid and Abdeslam En-Nouaary

11h00-12h30 **Session 1-2** **Web and social network applications**
 Room 1

ID58. Towards a Novel Graph-based collaborative filtering approach for recommendation systems. Sofia Bourhim, Lamia Benhiba and Mohamed Abdou Janati Idrissi
ID23. Evaluate learning communities in the online social media: Facebook groups . Meriem Adraoui, Asmaâ Retbi, Mohammed Khalidi Idrissi and Samir Bennani
ID75. Fuzzy-Based Mining Framework of Browsing Behavior to Enhance E-commerce Website Performance: Case Study from Kelkoo.com. Houda Zaim, Mohammed Ramdani and Adil Haddi
ID7. exSIOCA: an Extension of the SIOCA ontology. Asmae El Kassiri and Fatima-Zahra Belouadha

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Day 2: Thursday October 26th, 2018

12h00-14h00 **Lunch**
14h00-15h30 **Session 2-3** **Networking and Telecommunications 2**
 Room: Grand Amphi

ID44. Comparison between IOT protocols: ZigBee and WiFi using the OPNET simulator. Hamza Zemrane, Baddi Youssef and Abderrahim Hasbi
ID16. An SDL to Discrete-Time PROMELA Transformation of Home Area Network model. Soufiane Zahid, Abdeslam En-Nouaary and Slimane Bah
ID43. Computations of SAR Distributions for Three Human Head Models Irradiated by Planar Monopole Antenna for Slim Mobile Phone Applications. Lakbir Belrhiti, Fatima Riouch, Abdelwahed Tribak, Jaouad Terhzaz and Angel Mediavilla Sanchez
ID24. Battery Discharge Equation for a Secure VoLTE. Youssef Harmouch, Abdelhamid Aitoumeri, Rachid El Kouch and Abdelmalik Bouyahyaoui

14h00-15h30 **Session 2-4** **Decision Making and Simulation**
 Room 1

ID42. Multi-agents systems approach: an appropriate tool for overall performance design and management. Aicha Lamjahdi, Hafida Bouloiz and Maryam Gallab
ID59. Gas-Stations filling procurement problem with a multi-Size compartments vehicles and full tankers under limited trucks number. El Yamani Omar and Saddoune Mohammed
ID46. DSS success: The intertwining of satisfaction and learning. Khaoula Boukhayma and Abdellah Elmanouar
ID77. Green Data warehouse Design and Exploitation. Letrache Khadija, Omar El Beggat and Mohammed Ramdani

14h00-15h30 **Session 2-5** **Software Engineering 2**
 Room 2

ID33. Exploring The Moroccan Drugs Supply Chain Management Using The Viable System Model: The Procurement Division Case Study. Nora Mouhib, Slimane Bah and Abdelaziz Berrado
ID68. Exploring dimensions influencing the usage of Open Government Data portals. Kawtar Younsi Dahbi, Hind Lamharhar and Dalila Chiadmi
ID88. A new filtering-based query processing: improving semantic caching efficiency in mediation systems. Ouafa Ajarroud, Ahmed Zellou, Ali Idri and El Habib Ben Lahmar
ID57. Graphical System for optimized Dynamic Adaptation of Process Models with Rules Management. Tarik Chaghrouchni, Mohammed Issam Kabbaj and Zohra Bakkoury

15h30-16h00 **Awards distribution and Closing**

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Day 2: Thursday October 25th, 2018

8h00 Registration
9h00-10h00 Keynote II Room: Grand Amphi

Applications of blockchain and machine learning for gov services

Mr Tarik Fadli
Directeur General, Algo Consulting, Maroc

10h00-10h30 Coffee break
10h30-12h00 Session 2-1 Machine Learning 2
Room: Grand Amphi

ID92. Fuzzy Rule Learning with Linguistic Modifiers. Khalid Bahani, Mohammed Moujabbir and Mohammed Ramdani
ID100. A Critical Review of Machine Learning Interpretation. Maissae Haddouchi and Abdelaziz Berrado
ID86. Clustering of Pharmaceutical products using Random forest Algorithm. Sophia Youssar, Abdelaziz Berrado, Mohamed Bahtaoui and Youness Jarmouni
ID35. Finding disjoint clusters in a categorical data space. Mohamed Azmi and Abdelaziz Berrado

10h30-12h00 Session 2-2 E-Learning and Language processing 2
Room 1

ID38. Context-based Arabic Word Sens Disambiguation using Short Text Similarity Measure. Mohammed Bekkali and Abdelmonaime Lachkar
ID89. Semantic recommendation system of digital educational resources. Hamid Slimani, Nour-Eddine El Faddouli, Samir Bennani and Naila Amrous
ID12. Combination of Stylo-based Features and Frequency-based Features for Identifying the Author of Short Arabic Text. Mohammed Al Sarem, Abdel Hamid Emara, Mohamed Kissi and Ahmed Abdel Wahab
ID74. Text-To-Speech based dictation platform for students with learning difficulties. Oumaima Zine, Abdelouafi Meziane and Meryem El Hadi
ID60. Exploration of Software Product Line to Enrich the Modeling of Mobile Serious Games. Meftah Chaimae, Retbi Asmaâ, Samir Bennani and Mohammed Khalidi Idrissi

Day 1: Wednesday October 24h, 2018

11h00-12h30 Session 1-3 Big Data & Advanced Analytics
Room 2

ID82. An Efficient Real Time Model For Credit Card Fraud Detection Based On Deep Learning. Youness Abakarim, Lahby Mohamed and Abdelbaki Attioui
ID98. Deep Learning: An Overview. Wissal Farsal, Samir Anter and Mohammed Ramdani
ID40. Short-Term Classification of Stock Markets using Deep Neural Networks. Badre Labiad, Abdelaziz Berrado and Loubna Benabbou
ID95. A Text Classification Approach using Parallel Naïve Bayes in Big Data Context. Houda Amazal, Mohammed Ramdani and Mohamed Kissi
ID61. Big Data Processing using Machine Learning algorithms: MLib and Mahout Use Case. Khadija Aziz, Mostafa Bellafkih and Dounia Zaidouni

12h30-14h00 Lunch
14h00-15h30 Session 1-4 Internet Of Things & Networking
Room: Grand Amphi

ID79. Toward Distributed Smart Parking Management System. Faouzia Benabbou, Nawal Sael, El Khalidi Nihal and Khadija Sabiri
ID85. MAS for Services Availability in Cloud of Things Network: Monitoring and Reactivity. Zineb Bakraouy, Wissam Abbass, Amine Baina and Mosatafa Bellafkih
ID37. Design of Intelligent warehouse Based on RFID and WSNs Technologies. Sara El Ouadaa, Slimane Bah and Abdelaziz Berrado
ID65. An Overview of Community Detection Methods in Transportation Networks. Wafaa Oubaalla and Laila Benhlime

Day 1: Wednesday October 24th, 2018

14h00-15h30 **Session 1-5 Machine learning**
Room 1

ID73. Auto guiding a mobile projector. Zineb Rebbani, Driss Azougagh, Ahmed Rebbani, Hossin Bahatti and Omar Bouattane

ID97. Segmentation of Innovation determinants: Case of the Global Innovation Index. Siham Hamidi and Abdelaziz Berrado

ID56. SVM-based classification of High resolution Urban Satellite Images using Dense SURF and Spectral Information. Hanan Anzid, Gaetan Le Goic, Aissam Bekkari, Alamin Mansouri and Driss Mammass

ID91. Supervised machine learning for service providers' classification using multiple criteria in a network architecture environment. Imane Haddar, Brahim Raouyane and Mostafa Bellafkih

ID83. Categorizing projects for portfolio selection, using clustering techniques. Ghizlane Elbok and Abdelaziz Berrado

15h30-16h00 **Coffee Break**

16h00-17h30 **Session 1-6 Elearning and Language Processing**
Room: Grand Amphi

ID99. An overview of Logic-Muse, an Intelligent Tutoring System to Support Human Logical Reasoning Learning . Ange Tato and Roger Nkambou

ID94. Clustering collaborative filtering approach for Diftari E-Learning platform' recommendation system. Jamal Mawane, Abdelwahab Naji and Mohamed Ramdani

ID17. Software Product Line to overcome the variability issue in E-Learning: Systematic literature review. Hanane Sebbaq, Asmaa Retbi, Mohammed Khalidi Idrissi and Samir Bennani

ID39. Predicting the learner's personality from educational data using supervised learning. Abir Abyaa, Mohammed Khalidi Idrissi and Samir Bennani

ID18. First step in implementing pedagogy of integration using Edmodo. Imane Ryane and Nour-Eddine El Faddouli

Day 1: Wednesday October 24th, 2018

16h00-17h30 **Session 1-7 Software Engineering 1**
Room 1

ID1. Multicriteria model for choosing organizational agility assessment method. Mohamed Amine Marhraoui and Abdellah El Manouar

ID32. An Analytic Hierarchy Process based approach for Information technology governance framework selection. Hakim Bouayad, Loubna Benabbou and Abdelaziz Berrado

ID69. Release Engineering: From Structural to Functional View. Ikram El Asri and Nouredine Kerzazi

ID96. Detection of Dataflow Anomalies in Business Process An Overview of Modeling Approaches. Najat Chadli, Mohammed Issam Kabbaj and Zohra Bakkoury

ID88. A new filtering-based query processing: improving semantic caching efficiency in mediation systems. Ouafa Ajarroud, Ahmed Zellou, Ali Idri and El Habib Ben Lahmar