



ASD 2018: Big data & Applications

12th edition of the Conference on Advances of Decisional Systems

<http://asd-conf.net/>

PROGRAM

May 2-3, 2018, Marrakech, Morocco
Adam Park Hotel & Spa



Conference General Chair

- Azedine BOULMAKOUL, FSTM, Morocco,
- Kamal DAISSAOUI, EMSI, Morocco

Steering Committee

- BADIR Hassan (ENSAT, Morocco)
- BEN ABDALLAH Hanène (MIRACL, University of Sfax, Tunisia)
- BENTAYEB Fadila (ERIC, University Lumière Lyon 2, France)
- BOULMAKOUL Azedine (University of Hassan II, Morocco)
- BOUSSAID Omar (ERIC, University of Lumière Lyon 2, France)
- FEKI Jamel (MIRACL, University of Sfax, Tunisia)
- GARGOURI Faiez (MIRACL, University of Sfax, Tunisia)
- HARBI Nouria (ERIC, University Lumière Lyon 2, France)

Organization Committee

- Abdelfattah IDRI , Université Hassan II de Casablanca, Morocco
- Adil El BOUZIRI, Université Hassan II de Casablanca, Morocco
- Azedine BOULMAKOUL, Université Hassan II de Casablanca, Morocco
- Aziz Mabrouk, Université Abdelmalek Essaadi Morocco
- Ghyslane CHERRADI, Université Hassan II de Casablanca, Morocco
- Karim ALAMI, EMSI, Morocco
- Lamia KARIM , Université Hassan I, Morocco
- Mariyem OUKARFI, Université Hassan II de Casablanca, Morocco
- Meriem MANDAR ,Université Hassan I, Morocco
- Mohamed Sahbi MOALLA, ISET Sfax – Tunisia
- Mohamed Tabaa , EMSI, Morocco
- Rabia MARGHOUBI , INPT Rabat, Morocco
- Zineb BESRI, Université Abdelmalek Essaadi Morocco

Keynotes

- M. Mourad EL MAHJOUBI, General Manager Visiativ Africa “Big Data un des leviers de la transformation digitale des organisations”
- Pr. Mohammed MESTARI, ENSET, Hassan II University of Casablanca, Morocco “Artificial Neural Networks and Parallel Computing Paradigm: Towards a New Parallel and Distributed Learning Algorithm.”

Track Chairs

Name and Affection	Track
Nadjia Benblidia : Saad Dahlab University – Blida, Algeria	Track 1 : Internet of Things (IoT) & Healthcare
Nour-Eddin El Faouzi : LICIT, Université de Lyon, ENTPE – IFSTTAR, France	Track 2 : Intelligent Transportation Systems: Big Data, Machine Learning & Cloud Computing
Aziz Moutahaddib : Ibn Tofail University - ENCG Kenitra, Morocco	Track 3 : Internet of Things & Banking
Karine Zeitouni : University of Versailles St Quentin (UVSQ). DAVID Laboratory - CNRS	Track 4 : Internet of Things & Environment
Kamel Boukhalfa: University of Sciences and Technology Haouari Boumediène, Algiers, Algeria	Track 5 : Big data & Business Intelligence
Rabia Marghoubi: INPT, Rabat, Morocco	Track 6 : Data-driven Enterprise : Big Data and Digital Transformation
Mohamed Tabaa, LPRI EMSI Casablanca, Morocco ; Fabrice Monteiro, LGIPM, UL Metz, France.	Track 7 : Internet of Things: components challenges and opportunities
Said Bensbih : LMPGI/ESTC ENSEM, Hassan II University of Casablanca	Track 8 : E-Supply Chain Management : a competitive advantage

ASD 2018 Program Time Slots

Wednesday 2 May 2018

Timing				
08:00 -12:00	Registration			
09:00 -10:30	Opening Ceremony and Keynote Speaker I			
10:30 -10:45	Coffee Break	Coffee room		
		Louka	Tichka	Tinmel
10:45 -12:25	Technical Sessions (1)	Track 2	Track 5	Track 8
12:25 -13:45	LUNCH	Lunch Room		
		Louka	Tichka	Tinmel
14:00 -15:40	Technical Sessions (2)	Track 2	Track 5	Track 8, Track 6
15:40 -16:00	Coffee Break	Coffee room		
		Louka	Tichka	Tinmel
16:00 - 18:20	Technical Sessions (3)	Track 7	Track 1	Track 6

Thursday 3 May 2018

Timing				
08:00-12:00	Registration			
09:00-10:00	Keynote Speaker II			
10:00-10:15	Coffee Break	Coffee room		
		Louka	Tichka	Louka
10:15-12:00	Technical Sessions (4)	Track 2	Track 4	Track 2
12:00-14:00	LUNCH	Lunch Room		
14:00-16:30	Award Ceremony # End of Event			
16:30-17:00	Coffee Break			

Wednesday 2 May 2018

Timing				
08:00 -12:00	Registration			
09:00 -09:30	Opening Ceremony			
09:30 -10:30	Keynote Speaker I : Mourad EL MAHJOUBI, General Manager Visiativ Africa. <i>“Big Data un des leviers de la transformation digitale des organisations”</i>			
10:30 -10:45	Coffee Break	Coffee room		
10:45 -12:25	Technical Sessions (1)	Louka Track 2	Tichka Track 5	Tinmel Track 8
12:25 -13:45	LUNCH	Lunch Room		
14:00 -15:40	Technical Sessions (2)	Louka Track 2	Tichka Track 5	Tinmel Track 8, Track 6
15:40 -16:00	Coffee Break	Coffee room		
16:00 - 18:20	Technical Sessions (3)	Louka Track 7	Tichka Track 1	Tinmel Track 6

Wednesday 2 May 2018

Location : Louka Room

Track 2 : Intelligent Transportation Systems: Big Data, Machine Learning & Cloud Computing

- 10:45-11:05 Hioual Ouassila, Amamiche Hakim, Hemam Sofiane Mounine and Zidane Redha. *“Proposition d'une méthode hybride pour la sélection des services Cloud”*
- 11:05-11:25 Mariyem Oukarfi, Abdelfettah Idri and Azedine Boulmakoul. *“Computing Shortest Paths in Large Scale Multimodal Graphs”*
- 11:25-11:45 Meryem Khouil and Mohammed Mestari. *“Optimization of a controlled trajectory using artificial neural networks for a mobile robot”*
- 11:45-12:05 Aziz Mabrouk, Hafssa Aggour and Azedine Boulmakoul. *“Processus de calcul parallèle des réseaux spatiaux de Voronoï basé sur une architecture distribuée”*
- 12:05-12:25 Derbal Rayen, Hassad Amira and Hioual Ouassila. *“Apprentissage supervisé et SMA pour la tolérance aux fautes dans le Cloud Computing”*
- 12:25-13:45 LUNCH
- 14:00-14:20 Leila Moudjari and Karima Akli-Astouati. *“Opinion and emotion analysis through the linked data lens”*
- 14:20-14:40 Aggoune Amer, Mimouni Abderrazak and Hioual Ouassila. *“Proposition d'une méthode de recouvrement arrière avec planification multi-agents pour la tolérance aux fautes des services Cloud composés”*
- 14:40-15:00 Manolo Hina, Assia Soukane and Amar Ramdane-Cherif. *“Learning and Optimization for a Driving Assistance System”*
- 15:00-15:20 Amina El Ouazzani, Nouria Harbi and Hassan Badir. *“La confidentialité des entrepôts de données dans le Cloud Computing à base de profil utilisateur”*
- 15:20-16:00 Coffee Break

Track 7 : Internet of Things: components challenges and opportunities

- 16:00-16:20 Mohamed Tabaa, Safa Saadaoui, Fabrice Monteiro, Aamre Khalil, Abbas Dandache, Karim Alami and Abdellah Daissaoui. *“Distributed industrial communication based on MQTT and Modbus in the context of future industry”*
- 16:20-16:40 Nadia Saber and Mohammed Mestari. *“Multicast routing in wireless sensor networks with neural networks in fixed time”*
- 16:40-17:00 Benabbes Sofiane, Necib Abderrahim and Hemam Sofiane Mounine. *“Une Approche basée sur la classification des machines virtuelles et le Pire Temps d'Exécution pour l'Équilibrage de Charge dans le CloudIoT”*
- 17:00-17:20 Khaoula Hassoune, Wafaa Dachry, Fouad Moutaouakkil and Hicham Medromi. *“Conception d'une architecture distribuée de stationnement intelligent basées sur les systèmes multi-agents et l'internet des objets”*
- 17:20-17:40 Nabil Nissar, Najib Naja and Jamali Abdellah. *“A New Adaptive Routing Protocol for Internet of Things”*
- 17:40-18:00 Mouad Benzakour, Abdellah Jamali and Najib Naja. *“A New AODV approach in MANET for IoT environment”*
- 18:00-18:20 Lairedj Aboubaker Saddik, Benahmed Khalifa and Fateh Bounaama. *“A Taxonomy of challenges in Internet of Things (IoT)”*

Wednesday 2 May 2018

Location : Tichka Room

Track 5 : Big data & Business Intelligence

- 10:45-11:05 Mohamed Boussahoua, Omar Boussaid, Fadila Bentayeb and Nadia Kabachi. **“A Clustering-based Approach To Build Distributed Data Warehouse Using a Column family NoSQL Database”**
- 11:05-11:25 Yassine Ramdane, Omar Boussaid, Nadia Kabachi and Fadila Bentayeb. **“Optimize Star-Join Operation for OLAP Queries in Distributed Data Warehouses”**
- 11:25-11:45 Amal Sellami, Ahlem Nabli and Faiez Gargouri. **Entrepôt de données NOSQL orienté graphe : Règles de modélisation”**
- 11:45-12:05 Redha Benaïssa, Omar Boussaid, Farid Benhammadi and Aïcha Mokhtari. **“Spatial-Sampling-Based Clustering For Data Lake”**
- 12:05-12:25 Maha Ben Kraïem, Jamel Feki, Franck Ravat and Ahmed Alghamdi. **“OLAPing Reflexive Multidimensional Fact”**
- 12:25-13:45 LUNCH
- 14:00-14:20 El Hassane Nassif, Hicham Hajji, Reda Yaagoubi and Hassan Badir. **“Vers une architecture intégrée pour la gestion des données spatiales en télécommunications”**
- 14:20-14:40 Lamia Berkani, Sara Madani and Soumeïya Mekherbeche. **“Community Detection in Social Context based on Optimized Classification”**
- 14:40-15:00 Wafa Nouar and Zizette Boufaïda. **“Disambiguation Solution for Complex Questions Answering System over Linked Data”**
- 15:00-15:20 Pierrot David and Nouria Harbi. **“Détection des intrusions et aide à la décision”**
- 15:20-15:40 Ahmed Rabhi, Hassan Badir and Amjad Rattrout. **“Towards an Ontology-Based Data Access System for Aggregated Search”**
- 15:40-16:00 Coffee Break
- 16:00-16:20 Faïza Deghmani and Idir Amine Amarouche. **“Graph databases and big data technologies in healthcare: A gap analysis”**

Track 1 : Internet of Things (IoT) & Healthcare

- 16:20-16:40 Hassna Bensag, Mohamed Youssfi, Omar Bouattane and Fatima Ezzahra Ezzrhari. **“Computational IoT-Framework based on Smart and Low-cost Devices for Medical Image Segmentation”**
- 16:40-17:00 Walid Zeghdaoui, Frederick Joly, Omar Boussaid and Fadila Bentayeb. **“A pipeline approach for automatic segmentation of free-text medical reports”**
- 17:00-17:20 Chaimaa Messaoudi, Rachida Fissoune and Hassan Badir. **“On the performance of NoSQL stores for managing proteomics data”**
- 17:20-17:40 Kawtar Aarika, Meriem Bouhlal, Elhabib Benlahmar and Sanaa Elfilali. **“Etude comparative sur les différents attaques IoT : La couche perception”**
- 17:40-18:00 Mandar Meriem, Azedine Boulmakoul and Lamia Karim. **“Indicateurs de risque d'accidents piétons : Vers une décision floue intuitionniste”**

Wednesday 2 May 2018

Location : Tinmel Room

Track 8 : E-Supply Chain Management : a competitive advantage

- 10:45-11:05 Mouna Amrou, Azedine Boulmakoul and Hassan Badir. *“Process Mining for port container terminals : The state of the art and issues”*
- 11:05-11:25 Latifa Fadile, Mohamed El Oumami and Zitouni Beidouri. *“Logistics Services Providers: The state of play of the Moroccan context “*
- 11:25-11:45 Mustapha Ahlaqqach, Jamal Benhra, Salma Mouatassim and Safia Lamrani. *Closed Loop Supply Chain Network Design in the End Of Life pharmaceutical products*
- 11:45-12:05 Safia Lamrani, Jamal Benhra, Moulay Ali El Oualidi and Mustapha Ahlaqqach. *“Optimisation par la simulation SED des moyens de manutention d'une ligne d'assemblage automobile à forte composante de main d'œuvre dans un contexte Lean Manufacturing: étude de cas reel”*
- 12:05-12:25 Salma Mouatassim, Ahlaqqach Mustapha and Benhra Jamal. *“A comparison between biform and collaborative game models for distribution network in a bottling industry “*
- 12:25-13:45 LUNCH
- 14:00-14:20 Said Bensbih, Ferdaous Ajouami, Mohamed Saad and Otmane Bouksour, Abderrahmane Sbihi, *“Integrating Strategy and e-Supply Chain Management : A Constructionist Perspective”*
- 14:20-14:40 Ferdaous Ajouami, Said Bensbih, Naoufal Sefiani and Otmane Bouksour, Abderrahmane Sbihi *“E-supply chain & sustainable development: When sustainability challenges the e-supply chain”*

Track 6 : Data-driven Enterprise: Big data and Digital Transformation

- 14:40:15:00 Brahim Jabir, Nouredine Falih and Khalid Rahmani. *“Strategic analytics for agile and smart enterprise”*
- 15:00-15:20 Nouredine Falih and Azedine Boulmakoul. *“Structural analysis for IS performance measuring Case study”*
- 15:20-15:40 Wadie Berrahal, Rabia Marghoubi and Zineb Elakkaoui. *“Lean To Identification and Categorization Of Wastes In IT Service : Focusing on IT Operation Processes”*
- 15:40-16:00 Coffee Break
- 16:00-16:20 Soumaya Boukettaya, Ahlem Nabli and Faiez Gargouri. *“Vers l'évolution des bases de données orientées graphes : opérateurs d'évolution”*
- 16:20-16:40 Khalid El Khourassani, Rabia Marghoubi and Abdeslam Ennouaary. *“Specific criteria to measure the strategic alignment in the informatics system”*

Track 3 : Internet of Things & Banking

- 16:40-17:00 Fadoua Khanboubi and Azedine Boulmakoul. *“What a decision for risk management in the digital era?”*
- 17:00-17:20 El Hassane Belrhali and Moutahaddib Aziz. *“Etude de l'impact des Fintech sur le système bancaire “*
- 17:40-18:00 Loubna Rabhi, Nouredine Falih, Lekbir Afraites and Belaid Bouikhalene. *“Optimization Bigdata to Support Decision Making in Human Resources Management”*
- 18:00-18:20 Yasser Zairi and Azedine Boulmakoul. *“Algorithms and soft computing for credit scoring: State-of-the-art”*

Thursday 3 May 2018

Timing			
08:00-12:00	Registration		
09:00-10:00	Keynote Speaker II : Pr. Mohammed MESTARI, ENSET, Hassan II University of Casablanca, Morocco <i>“Artificial Neural Networks and Parallel Computing Paradigm: Towards a New Parallel and Distributed Learning Algorithm”</i>		
10:00-10:15	Coffee Break	Coffee room	
10:15-12:00	Technical Sessions (4)	Louka	Tichka
		Track 2	Track 4
		Track 2	Track 2
12:00-14:00	LUNCH Lunch Room		
14:00-16:30	Award Ceremony # End of Event		
16:30-17:00	Coffee Break		

Thursday 3 May 2018

Location : Louka Room

Track 2 Intelligent Transportation Systems: Big Data, Machine Learning & Cloud Computing

10:15-10:35	Adil Jaafar. <i>“Multi-agent parallel implementation to solve nonlinear equality constrained multiobjective optimization problem”</i>
10:35-10:55	Asma Bendahmane, Hamza Saouli, Okba Kazar, Khaled Rezeg and Imane Sriti. <i>“Coalition based web service composition using a new Multi-layer agent architecture”</i>
10:55-11:15	Ci Liang, Mohamed Ghazel, El Miloudi El Koursi, Olivier Cazier and Fouzia Boukour. <i>“Safety at level crossings: advanced statistical accidents analysis”</i>
12:00-14:00	LUNCH

Location : Tichka Room

Track 4 :Internet of Things & Environment

10:15-10:35	Soufiane Maguerra, Azedine Boulmakoul, Lamia Karim and Hassan Badir. <i>“Scalable Solution for Profiling Potential Twitter Cyber-criminals”</i>
10:35-10:55	Mohamed Nahri, Azedine Boulmakoul and Lamia Karim. C-T-Engine : <i>“A Real time building engine of urban traffic congestion trajectories”</i>
10:55-11:15	Wadii Basmi and Azedine Boulmakoul. <i>“Distributed and scalable framework for Smart city Real-time Complex Event Processing and Analytics”</i>
11:15-11:35	Ghyzlane Cherradi, Adil El Bouziri and Azedine Boulmakoul. <i>“Electronic ADR Transport Document Management Microservice for Hazmat Transportation”</i>
11:35-11:55	Yehia Taher, Rafiqul Haque and Karine Zeitouni. <i>“Mobile Sensor Driven Exposure Analysis to Air Pollution: A Comprehensive Survey”</i>
12:00-14:00	LUNCH

Thursday 3 May 2018

Location : Tinmel Room

Track 2 : Intelligent Transportation Systems: Big Data, Machine Learning & Cloud Computing

10:15-10:35	Dounya Kassimi, Okba Kazar, Omar Boussaid and Hamza Saouli. " <i>Big Data and Security Issues</i> "
10:35-10:55	Amjad Rattrout, Abeer Z'aroor and Azhar Hamdan. " <i>Build intelligent in Distributed Embedded System: Wireless Sensor Network as a case study</i> "
10:55-11:15	Mourad Ghorbel, Karima Tekaya and Abdelaziz Abdellatif. " <i>Modélisation et répartition d'un Big Data Warehouse</i> "
11:15-11:35	Hioual Ouided and Bezza Youcef. " <i>Probabilistic failure prediction technique using neural networks in cloud computing</i> "
12:00-14:00	LUNCH



- Track 1: Internet of Things (IoT) & Healthcare*
- Track 2: Intelligent Transportation Systems: Big Data, Machine Learning & Cloud Computing*
- Track 3: Internet of Things & Banking*
- Track 4: Internet of Things & Environment*
- Track 5: Big data & Business Intelligence*
- Track 6: Enterprise Data-driven : Big Data and Digital Transformation*
- Track 7: Internet of Things: components challenges and opportunities*
- Track 8: E-Supply Chain Management : a competitive advantage*



May 2-3, 2018, Marrakech,
Morocco

<http://asd-conf.net/>