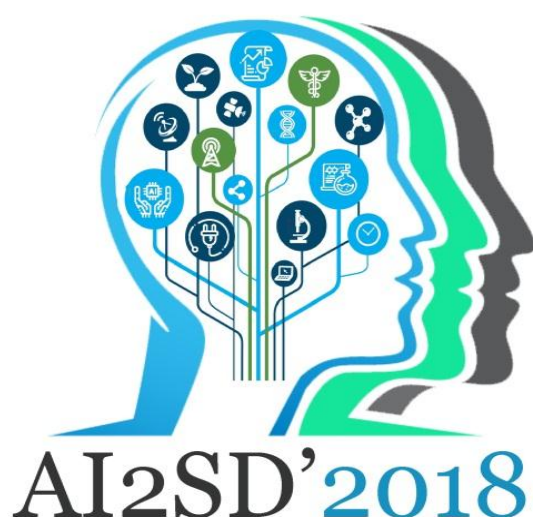




July 11 – 14, 2018,
Faculty of Sciences & Technologies
Tangier, Morocco

Advanced Intelligent Systems for sustainable development (AI2SD'2018)



The International Conference on **Advanced Intelligent Systems for Sustainable Development** applied to Agriculture, Energy, Health and Environment is scheduled to be held 11-14 July 2018 in Tangier, Morocco (FST of Tangier). **AI2SD'2018** will be the best amalgamation of eminent researchers, students and delegates from both academia and industry where collaborators have interactive access to emerging technology and approaches globally. Our focus is to organize an international scientific panel discussion on Advanced Technologies and Intelligent Systems for Sustainable Development Applied to Agriculture, Energy, Health and Environment. Also, **AI2SD'2018** will be the best opportunity to share recent studies by means of personal talks, sharing knowledge and experience. **AI2SD'2018** will offer oral, poster sessions, tutorials, and professional meetings. The program of the **AI2SD'2018** Conference intends to foster interaction to open the way to future cooperation between participants.



General Chair

Pr. Mostafa EZZIYYANI

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OPENING HOURS

SESSIONS TOPICS

WEDNESDAY, JULY 11 TH 2018
08H00 / 18H00
THURSDAY, JULY 12 TH 2018
08H00 / 18H00
FRIDAY, JULY 13 TH 2018
08H00 / 20H00
SATURDAY, JULY 14 TH 2018
09H00 / 20H00
SUNDAY, JULY 15 TH 2018
07H30 / 20H30

A	CLOUD, NETWORKING AND NETWORK APPLICATIONS
B	INFORMATION SECURITY AND OPTIMIZATION ALGORITHMS
C	IMAGE PROCESSING, COMPUTER VISION AND INTELLIGENT SYSTEMS
D	MATHEMATICS, MATERIALS, AND SIGNAL PROCESSING
E	WEB SERVICES, ONTOLOGIES AND E-LEARNING
F	BIG DATA ANALYTICS, BUSINESS INTELLIGENCE, AND NATURAL LANGUAGE PROCESSING(NLP)
G	ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO AGRICULTURE
H	ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO ENERGY
I	ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO HEALTH
J	ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO ENVIRONMENT

PROGRAM

WEDNESDAY, JULY 11-12-2018		INTERNATIONAL SUMMER SCHOOL FOR BIG DATA AND DATAMINING MODELS	
	08H00	TUTORIAL1: Big Data and Business Process Intelligence (conference room) <i>Pr. Ezziyyani Mostafa, Abdelmalk Essaadi University, FST - Tangier (IBM Big Data Specialist)</i> <i>Pr. Baïna Karim, Mohammed V University in Rabat, ENSIAS (IBM Big Data Trainer of Trainers)</i>	12H00
	14H	TUTORIAL2: Fundamental Concept of Machine Learning for Predictive Data Analytics (conference room) <i>Pr. El Afia Abdellatif, Mohammed V University in Rabat, ENSIAS (Machine learning Specialist)</i>	18H

THURSDAY, JULY 12-2018		INTERNATIONAL SUMMER SCHOOL FOR BIG DATA AND DATAMINING MODELS (conference room)	SUDAN SUMMER SCHOOL FOR SOFT SKILL(LABORATORY OF DATABASE ENGINEERING AND KNOWLEDGE PROCESSING)	
	09H00	TUTORIAL3: Advanced Machine Learning Algorithms <i>Pr. Hajar Mousannif, Cadi Ayad University, FS Marrekech - (Datamining algorithm Specialist)</i>	Tutorial 5: Effective Leadership and Innovation <i>Prof :Osama Rayis</i> <i>Dr :Mohamed Ahmed Ali</i>	12H00
	14H00	TUTORIAL4: Web Mining and Analysis of Social Networks <i>Pr. El Habib Nfaoui, Sidi Mohamed Ben Abdellah University, FSDM - Fez (Web mining Specialist)</i>		18H00

FRIDAY, JULY 13 - 2018

08H00	WELCOME DESK & REGISTRATION							09H00
09H00	OPENING CEREMONY (AMPHI 6) • MINISTER OF ENERGY, MINES AND SUSTAINABLE DEVELOPMENT • AMBASSADOR OF PEOPLE’S REPUBLIC OF CHINA • PRESIDENT OF ABDELMALEK ESSAADI UNIVERSITY • DIRECTOR OF SCIENTIFIC RESEARCH AND INNOVATION, MINISTRY OF HIGHER EDUCATION, SCIENTIFIC RESEARCH AND EXECUTIVE TRAINING INNOVATION • DEAN OF FACULTY OF SCIENCES AND TECHNIQUES OF TANGIER • GENERAL MANAGER AFRICA CITY OF TECHNOLOGY - SUDAN • DIRECTOR OF CHINA INTERNATIONAL ASSOCIATION FOR PROMOTION OF SCIENCE AND TECHNOLOGY UNDER MINISTRY OF SCIENCE AND TECHNOLOGY OF THE PEOPLE’S REPUBLIC OF CHINA • PRESIDENT OF PREFECTURE TANGER-ASSILAH • CONFERENCE GENERAL CHAIR							09H30
09H30	KEYNOTE (AMPHI 6) Mr. IKKEN Badr Director general, institute of research in Solar energy and new energies (IRESEN) “The Potentials and Challenges of Photovoltaics in The Desert Region”							10H00
10H00	KEYNOTE (AMPHI 5) Prof. KHALIL Ismail Institute of Telecooperation - Johannes Kepler University Linz, Austria “Intelligence in the age of big data”			(CONFERENCE ROOM, DEP F) Meeting Morocco-China for Technology Transfer Chairs: Dr. Xing Jiguos/Mr. Moudni Tarik AI2SD 2018 中国-阿拉伯国家合作论坛 AI2SD 2018 China-Arab Cooperation Forum 暨第八届“一带一路”国际技术转移与创新合作峰会 The 8th "Belt and Road" International Technology Transfer and Innovation Cooperation Summit 中国-阿拉伯国家技术文化转移中心 China-Arab State Technology and Culture Transfer Center				11H30
11H30	COFFEE BREAK ☕							12H00
12H00	PARALLEL SESSIONS 1 A1 ROOM 1	PARALLEL SESSIONS 2 B1 ROOM 2	PARALLEL SESSIONS 3 C1 ROOM 3	PARALLEL SESSIONS 4 E1 ROOM 4	PARALLEL SESSIONS 5 F1 ROOM 5	PARALLEL SESSIONS 6 G1 ROOM 6	PARALLEL SESSIONS 7 H1 ROOM 7	13H15
14H00	LUNCH 🍴							15H00

FRIDAY, JULY 13 - 2018	15H00	KEYNOTE (CONFERENCE ROOM, DEP F) Prof. NASSER KETTANI Managing Director, Kettani Digital Consulting <i>"How Technology Disruption is Reshaping Sustainable Development"</i>							16H00
	16H00	KEYNOTE (CONFERENCE ROOM, DEP F) Prof. Dr. BOUCHTA El Mounni Professor of Geosciences and environmental sciences at Abdelmalek Essaâdi University, FPL <i>"CLIMATE CHANGE AND ENVIRONMENTAL DISTURBANCE IN THE MEDITERRANEAN AREA: CASE OF THE MOROCCAN MEDITERRANEAN COASTLINE"</i>							17H00
	17H00	COFFEE BREAK ☕							17H30
	17H30	PARALLEL SESSIONS 8  ROOM 1	PARALLEL SESSIONS 9  ROOM 2	PARALLEL SESSIONS 10  ROOM 3	PARALLEL SESSIONS 11  ROOM 4	PARALLEL SESSIONS 12  ROOM 5	PARALLEL SESSIONS 13  ROOM 6	PARALLEL SESSIONS 14  ROOM 7	20H00
		END OF DAY							



Enjoy attending

**The International Conference on Advanced
Intelligent Systems for Sustainable Development**

AI2SD-2018

July 11, 12, 13 and 14 – 2018 Tangier, Morocco

SATURDAY, JULY 14 – 2018	09H00	KEYNOTE (CONFERENCE ROOM, DEP F) Prof. LLORET MAURI Jaime Research Institute, Polytechnic University of Valencia “SENSING AND MONITORING THE WATER ENVIRONMENT USING COGNITIVE GROUP-BASED COLLABORATIVE SENSOR NETWORK”							09H30
	09H30	KEYNOTE (CONFERENCE ROOM, DEP F) Prof. KACPRZYK Janusz Research Institute, Polish Academy of Sciences “A DECISION SUPPORT SYSTEM FOR FUZZY MULT-CRITERIA PREDICTION OF HEALTH DISEASE”							10H00
	10H00	SPECIAL PANEL (AMPHI 5) Panel Topic: The role of Science, Technology and Innovation for Promoting Sustainable Socio-Economic Development 1. Prof. SADIKI Tayeb 6. Prof. LABBASSI Kamal 11. Prof. ESSAAIDI Mohammed 2. Prof. HAMMOUTI Belkheir 7. Prof. NFAOUI El Habib 12. Prof. BOUCHETA El Moumni 3. Prof. BAKHOUYA Mohamed 8. Prof. EL OUADGHIRI Mly.D 13. Prof. AKININ Nora 4. Prof. HAQIQ Abdelkrim 9. Prof. El HASSAN Abdelwahed 14. Prof. EZZIYYANI Mostafa 5. Prof. EZZIYYANI Mohammed 10. Prof. BOUKHOBZA M.Amrani 15. Prof. B. ABDELLAH Abdellatif							12H00
	12H00	COFFEE BREAK ☕							12H30
	12H30	PARALLEL SESSIONS 15  ROOM 1	PARALLEL SESSIONS 16  ROOM 2	PARALLEL SESSIONS 17  ROOM 3	PARALLEL SESSIONS 18  ROOM 4	PARALLEL SESSIONS 19  ROOM 5	PARALLEL SESSIONS 20  ROOM 6	PARALLEL SESSIONS 21  ROOM 7	15H00
	15H00	LUNCH 🍴							16H30
	16H30	PARALLEL SESSIONS 22  ROOM 1	PARALLEL SESSIONS 23  ROOM 2	PARALLEL SESSIONS 24  ROOM 3	PARALLEL SESSIONS2 5  ROOM 4	PARALLEL SESSIONS 26  ROOM 5	PARALLEL SESSIONS 27  ROOM 6		17H30
	17H30	COFFEE BREAK ☕							18H00
	18H00	POSTER SESSIONS (THE LIBRARY)							20H00
		END OF DAY							

SUNDAY, JULY 15 - 2018	07H30	OPEN EXCURSION						20H30

SESSIONS CONTENT

SESSION 1:

TOPIC A1: CLOUD, NETWORKING AND NETWORK APPLICATIONS SESSION CHAIRS: MOUNIR AZMANI, MUSTPHA EZBAKH FRIDAY, JULY 13 - 2018 (12H00 TO 13H45)				A1
12H00	Sara Riahi and Ali Elhore	Approaches and algorithms for resource management in OFDMA access mode: Application to mobile networks of new generation		12H15
12H15	Moulay Hicham Hanin , Youssef Fakhri and Mohamed Amnai	A new efficient technique to enhance quality of service in OLSR protocol		12H30
12H30	Khalid Kandali and Hamid Bennis	Performance Assessment of AODV, DSR and DSDV in an Urban VANET Scenario		12H45
12H45	Sara Riahi and Azzeddine Riahi	Analytical study of the performance of communication systems in the presence of fading		13H00
13H00	Ansam Ennaciri , Rania Khadim, Mohammed Erritali, Mustapha Mabrouki and Bengourram Jamaa,	Contribution to the improvement of the Quality of Service over Vehicular ad-hoc Network		13H15
13H15	Zaryouli Marwa and Mostafa Ezziyyani	Dynamic adaptation and automatic execution of services according to ubiquitous computing		13H30
13H30	Douae Zbakh, Abdelouahid Lyhyaoui And Mariam Tanana	Localization And Tracking System Using Wi-Fi Signal Strength With Wireless Sensors Network		13H45

SESSION2:

TOPIC B1: INFORMATION SECURITY AND OPTIMIZATION ALGORITHMS SESSION CHAIRS: KHALID AMECHNOUE, AHMED ZIANI FRIDAY, JULY 13 - 2018 (12H00 TO 13H30)				B1
12H00	Hassan El Gafif, Naima Meddah and Ahmed Toumanari	A Lightweight Ciphertext-Policy Attribute-Based Encryption for Fine-Grained Access Control		12H15
12H15	Er-Rajy Latifa, Ahmed El Kiram and Mohamed El Ghazouani	Android Applications analysis results using PerUpSecure Tool		12H30
12H30	Imane Bouazza, El Bachir Ameur and Farid Ameur	Datamining for Fraud Detecting, State of the art		12H45
12H45	Hicham Grari, Ahmed Azouaoui and Khalid Zine-Dine	Ant Colony Optimization for Cryptanalysis of Simplified-DES		13H00
13H00	Anass Hossam, Abdelhamid Bouzidi and Mohammed Essaid Riffi	Elephant Herding Optimization Algorithm for the travelling salesman problem		13H15
13H15	Ahmed Ziani and Abdellatif Medouri	Security and Risks for Cloud Environments		13H30

SESSION3:

TOPIC C1: IMAGE PROCESSING, COMPUTER VISION AND INTELLIGENT SYSTEMS SESSION CHAIRS: ABDELMAJID EL MOUTAOUAKKIL, EZZINE ABDELHAK FRIDAY, JULY 13 - 2018 (12H00 TO 13H30)				C1
12H00	Hamid Ouanan, Mohammed Ouanan and Brahim Aksasse	Deep learning technology for identifying a person of interest in real-world		12H15
12H15	Hicham Karmouni, Tarik Jahid, Mhamed Sayyouri, Abdeslam Hmimid, Anass El Affar and Hassan Qjidaa	Fast and Stable Computation of the Tchebichef's Moments Using Image Block Representation and Clenshaw's Formula		12H30
12H30	Fouad Elhassouni and Abdelhak Ezzine	Raindrop detection based on Morphological operations		12H45
12H45	Yassine Afoudi, Mohamed Lazaar and Mohamed Al Achhab	Collaborative Filtering Recommender System		13H00
13H00	Merieme Samaoui	Audit and control of operations in the insurance sector through the application of the IT reference system		13H15
13H15	Salma Alami and Abdelhak Ezzine	Vanishing Point Detection under Foggy Weather with Edge-based Approach		13H30

SESSION4:

TOPIC E1: WEB SERVICES, ONTOLOGIES AND E-LEARNING SESSION CHAIRS: FEDDOUL KHOUKHI, MOHAMMED GHAILAN FRIDAY, JULY 13 - 2018 (12H00 TO 13H15)				E1
12H00	Oum Elhana Maamra and Mohamed-Khireddine Kholladi	Intelligent reservation systems based on MAS & data mining method		12H15
12H15	Mohammed Ouadoud and Mohamed Yassin Chkouri	Generate a Meta-Model Content for Communication Space of Learning Management System Compatible with IMS-LD		12H30
12H30	Mohammed Ouadoud and Mohamed Yassin Chkouri	Designing an IMS-LD Model for Communication Space of Learning Management System		12H45
12H45	Nassima Soussi and Mohamed Bahaj	Exploiting NoSQL Document Oriented Data Using Semantic Web Tools		13H00
13H00	Soumiya Ain El Hayat and Mohamed Bahaj	A Temporal Data Warehouse Conceptual Modelling and its Transformation into Temporal Object Relational Model		13H15

SESSION5:

TOPIC F1: BIG DATA ANALYTICS, BUSINESS INTELLIGENCE, AND NATURAL LANGUAGE PROCESSING(NLP) SESSION CHAIRS: LOUBNA CERRAT, ABDELLAH AZMANI				
FRIDAY, JULY 13 - 2018 (12H00 TO 13H30)				
12H00	Djoher Dalila Graba, Nabil Keskes and Djamel Amar Bensaber	MEANING NEGOTIATION		12H15
12H15	Zineb El Asraoui and Abdelilah Maach	Sustainable Development: Clustering Moroccan Population Based on ICT and Education.		12H30
12H30	Imad Sassi, Samir Anter and Abdelkrim Bekkhoucha	An overview of Big Data and Machine Learning paradigms		12H45
12H45	Youness Madani, Mohammed Erritali and Jamaa Bengourram	A Hybrid Multilingual Sentiment Classification using Fuzzy Logic and Semantic Similarity		13H00
13H00	Hanane Ezzikouri, Mohammed Erritali, Youness Madani and Mohamed Oukessou	Fuzzy semantic-based similarity and big data for detecting multilingual plagiarism in Arabic documents		13H15
13H15	Amri Samir and Zenkouar Lahbib	Amazigh POS Tagging using TreeTagger: A Language Independant Model		13H30

SESSION 6:

TOPIC D1: MATHEMATICS, MATERIALS, AND SIGNAL PROCESSING SESSION CHAIRS: ABDESSAMAD BERNOUSSI, LAZAAR SAIDA			
		FRIDAY, JULY 13 - 2018 (12H00 TO 13H30)	D1
12H00	Anass El Mamouni , Mustapha Boukour and Abderrahim El Omri	THE FINITE RADON TRANSFORM BASED HOMOGENIZATION OF FIBROUS PERIODIC MEDIA: The case of Eshelby Inclusions	12H15
12H15	Youssef Babkrani, Ahmed Naddami and Mohamed Hilal	A smart cascaded H-bridge multilevel inverter with An optimized modulation techniques increasing the quality and reducing harmonics	12H30
12H30	Mohammed Eddy, Bouazza Tbib and Khalil El-Hami	Structural and vibrational study of Hydroxyapatite bio-ceramic pigments with chromophore ions (Co2+,Ni2+,Cu2+,Mn2+)	12H45
12H45	Kaoutar Saidi Alaoui	Novel configuration of Radio over Fiber system using a hybrid SAC-OCDMA/OFDM technique	13H00
13H00	Ziani Said	Fetal Electrocardiogram Extraction and Characterization Based on LMS Adaptive Filtering and Complex Continuous Wavelet 1-D	13H15
13H15	Omar El Moutea	COMBINED MIXED FINITE ELEMENT AND NONCONFORMING FINITE VOLUME METHODS FOR FLOW AND TRANSPORT NITRATE IN POROUS MEDIA.	13H30

SESSION7:

TOPIC H1: ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO ENERGY SESSION CHAIRS: AHACHAD MOHAMMED, ALI ASTITO			
FRIDAY, JULY 13 - 2018 (12H00 TO 13H15)			H1
12H00	Hanane Abakouy, El Kalkha Hanae and Adel Bouajaj	Dimensioning of the coldroom in a solar adsorption cooling system using Moroccan climate data	12H15
12H15	Kamal Amghar, Mohamed Ali Louhibi and Najim Salhi	Numerical study on turbulent flow forced-convection heat transfer from Heated Baffles in a Horizontal Channel	12H30
12H30	Youssef Hamdaoui and Abdelilah Maach	Electric Vehicles Benefits for an islanded microgrid through classification emergency	12H45
12H45	Hana El Kalkha	Influence Of Glass Properties In The Performance Of A Solar Cooling Ac- NH3 Adsorption Machine	13H00
13H00	Li Li, Song Hua, Wang Desheng and Wang Chunyu	Microwave assisted catalytic oxidation of benzene with hopcalite	13H15

SESSION8:

TOPIC A2: CLOUD, NETWORKING AND NETWORK APPLICATIONS SESSION CHAIRS: BA KOUYA MOHAMMED, MOHAMED EL BRAK			
FRIDAY, JULY 13- 2018 (17H30 TO 20H00)			A2
17H30	Abdellah Nabou, My Driss Laanaoui and Mohammed Ouzzif	The effect of Transmit Power on MANET routing protocols using AODV, DSDV, DSR and OLSR in NS3.	17H45
17H45	Amina Bengag and Mohamed Elbouchari	Performance evaluation of VANETs routing protocols using SUMO and NS3	18H00
18H00	Abdelali Hadir, Khalid Zine-Dine; Mohamed Bakhouya and Jamal El Kafi	An enhanced localization approach for three-dimensional wireless sensor networks	18H15
18H15	Said Broumi, Rao V.Venkateswara, Mohamed Talea, Assia Bakali, Prem Kumar Singh and Florentin Smarandache	Single-Valued Neutrosophic Techniques for Analysis of WIFI Connection	18H30
18H30	Souad Faid and Mohamed Moughit	Latency over Software Defined Network	18H45
18H45	Chaimaa Ait Belahsen, Lyhyaoui Abdelouahid and Nadia Boufardi	IoT data-based architecture on OpenStack for Smart City	19H00
19H00	Abdelhak Merizig, Hamza Saouli, Maite Lopez Sanchez, Okba Kazar and Aïcha Nabila Benharkat	An Extended Data as a Service Description Model for Ensuring Cloud Platform Portability	19H15
19H15	Safaa Laqtib, Khalid El Yassini and Moulay Lahcen Hasnaoui	Performance Evaluation Of Multicast Routing Protocols in MANET	19H30
19H30	Yassir Rouchdi, Khalid El Yassini, Kenza Oufaska and Achraf Haïbi	A New RFID Middleware and BagTrac Application	19H45
19H45	Asmaa Berdigh, Khalid El Yassini and Kenza Oufaska	Connected Car & IoT Overview	20H00

SESSION9:

TOPIC B2: INFORMATION SECURITY AND OPTIMIZATION ALGORITHMS SESSION CHAIRS: EL KHATIR HAIMOUDI, HASSAN BADIR FRIDAY, JULY 13- 2018 (17H30 TO 20H15) B₂			
17H30	Safaà Bouzidi, Morad Bouzidi, Mohammed Essaid Riffi and Mohammed Mouçouf	The Discrete swallow swarm optimization for flowshop scheduling problem	17H45
17H45	Abdelhamid Bouzidi and Mohammed Essaid Riffi	Improved cat Swarm optimization to Solve The Traveling Salesman Problem	18H00
18H00	Toufik Ghrib, Mohamed Benmohammed, Abdelkader Hadj Seyd and Abdelkader Guezzi	Code Verification used TPM solutions for the Internet of Things Platforms	18H15
18H15	Sanae Hanaoui, Yousra Berguig and Jalal Laassiri	On the security Communication and Migration in Mobile Agent Systems	18H30
18H30	Soukaina Cherif Bourki Semlali, Mohammed Essaid Riffi and Fayçal Chebihi	Optimization of Makespan in Job Shop Scheduling Problem by Hybrid chicken swarm algorithm	18H45
18H45	Mehdi Moukhafi, Khalid El Yassini, Bri Seddik and Kenza Oufaska	Artificial Neural Network optimized by Genetic Algorithm for intrusion detection system	19H00
19H00	Otman Abdoun, El Khatir Haimoudi, Rahfal Mohsin and Mostafa Ezziyyani	An Effective Parallel Approach to Solving Multiple Travelling Salesmen Problem	19H15
19H15	Lamiche Chaabane	Resolving Multiple Sequence Alignment Problem Using Metaheuristics	19H30
19H30	Said Tkatek, Otman Abdoun and Jaaffar Abouchabaka	The Immigration Genetic Approach to Improve the Optimization of Constrained Assignment Problem of Human Resources	19H45
19H45	Karim Ennasraoui, Youssef Baddi, Yunes El Bouzekri El Idrissi and El Mehdi Baa	Security Analysis in the Internet of Things: State of the Art, Challenges, and Future Research Topics	20H00
20H00	En-hiri achraf, Ezziyyani Mostafa	Study of Quality of Service and behavior of routing protocols in VANET Network	20H15



SESSION10:

TOPIC C2: IMAGE PROCESSING, COMPUTER VISION AND INTELLIGENT SYSTEMS SESSION CHAIRS: ABDELKADER ADLA, WAFAE BAIDA FRIDAY, JULY 13- 2018 (17H30 TO 20H15) C₂			
17H30	Zouhair Elamrani Abou Ellassad and Hajar Mousannif	Understanding driving behavior: measurement, modeling and analysis	17H45
17H45	Naila Fares, Maria Lebbar, Najiba Sbihi and Anas El Boukhari El Mamoun	Machine learning dynamic hybrid model for logistic supplying chain: assortment setting in Fast Fashion retail	18H00
18H00	Naila Fares, Maria Lebbar and Najiba Sbihi	A customer profiling machine learning approach, for in-store sales in Fast Fashion retail	18H15
18H15	Fatima Lhafiane, Abdeltif Elbyed and Mouhcine Adam	Designing CBR-BDI Agent for Implementing Reverse Logistics System	18H30
18H30	Yasmina Benmoussa, Anass Mansouri and Ali Ahaitouf	Quadrotor flight simulator modeling	18H45
18H45	Yassine Moumen, Otman Abdoun and Ali Daanoun	A parallel approach to optimize the supply chain management	19H00
19H00	El Bouyahyiouy Karim and Bellabdaoui Adil	A fuzzy logic guided genetic algorithm to solve the full truckload vehicle routing problem with profit	19H15
19H15	Hicham Karmouni, Tarik Jahid, Mhamed Sayyouri, Abdeslam Hmimid, Anass El Affar and Hassan Qjidaa	Image analysis by Hahn moments and a digital filter	19H30
19H30	Djamila Bouhalouan, Mohammed Frendi, Abdelkader Ould-Mahraz and Abdelkader Adla	Sorting Decisions in Group Decision Making	19H45
19H45	Zouhair A. Sadouq, , Younes Ben Chigra, Mostafa Ezziyyani and Mohamed Essaaidi	Clustering and power control to conserve energy in WSN	20H00
20H00	Sara Baghdadi and Noureddine Aboutabit	A Comparative Study of Vehicle Detection Methods	20H15

SESSION 1:

TOPIC G2: I ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO AGRICULTURE SESSION CHAIRS: HASSAN SILKAN, NFAOUI EL HABIB FRIDAY, JULY 13- 2018 (17H30 TO 20H00) G2			
17H30	Mohammed Ezziyyani, Ahlem Hamdache, Mostafa Ezziyyani and Loubna Cherrat	Impacts of climate change on the production, yield and cost of adaptation of varieties imported from strawberry plants in the perimeter of Loukkos (Morocco)	17H45
17H45	Meryem Asraoui, Filippo Zanella, Stefania Marcato, Andrea Squartini, Ahlem Hamdache, Jamila Amzil, Barbara Baldan and Mohammed Ezziyyani	Bacillus amyloliquefaciens primed strawberry plants for enhanced defense responses against Botrytis cinerea	18H00
18H00	Marie Solange Uwineza, Brahim El Yousfi and Abdeslam Lamiri	An alternative control of yellow rust on bread wheat with essential oils of Mentha pulegium, Eugenia aromatica, and Cedrus atlantica	18H15
18H15	Ahlem Hamdache, Mohammed Ezziyyani and Ahmed Lamarti	Study of Growth and production of Botrytis cinerea conidia of Some Moroccan isolates in different nutrients media	18H30
18H30	Maroi Tsouli Fathi, Mostafa Ezziyyani, Soumaya El Mamoune, and Mohammed Ezziyyani	Data mining for predicting the quality of crops yield based on climate data analytics	18H45
18H45	Elhadj Ezzahid, Ahmed Bousselhami, Abdelhak Zoglat and Othmane Taleb	Le comportement d'adoption de l'assurance agricole : cas de quelques communes dans la province de Benslimane du Maroc	19H00
19H00	Amal El Khaddari and Jamila Dahmani	The effect of inoculation by indigenous endomycorrhizal fungi on the tolerance of Tetraclinis articulata Vahl masters plants to water stress	19H15
19H15	Hajar Mousannif and Jihad Zahir	AgriFuture: A New Theory of Change Approach to Building Climate-resilient Agriculture	19H30
19H30	Jamal Bouchti, Adel Asselman and Abdellah El Hajjaji	A Method for segmentation of agricultural fields on aerial images with Markov random field Model	19H45
19H45	Mohamed El Alaoui, Hussain Ben-Azza and Khalid El Yassini	Fuzzy TOPSIS with coherent measure applied to a closed loop agriculture Supply Chain	20H00

SESSION12:

TOPIC H2: ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO ENERGY SESSION CHAIRS: EL HIBAOUYI ABDELAZIZ, EL METOUY MUSTAPHA FRIDAY, JULY 13- 2018 (17H30 TO 20H15)				H2
17H30	Merzoug Soltane, Philippe Roose, Kazar Okba and Derdour Makhoul	PREDICTIONS & MODELING ENERGY CONSUMPTION FOR IT DATA CENTER INFRASTRUCTURE	17H45	
17H45	Hamza Lamsyehe, Haytem Moussaoui, Hind Mouhanni, Mounir Kouhila and Ali Idlimam	Study of desorption isotherms of sardine fillets: Characterization and Modeling	18H00	
18H00	Fatima Bahraoui, Hind Sefian and Zuhair Bahraoui	Modelling wind speed using mixture distributions in Tangier region	18H15	
18H15	Ed-Drissiya El-Allaly, Mourad Sarroui, Nouredine En-Nahnahi and Said Ouatik El Alaoui	Adverse Drug Reaction Mentions Extraction from Drug Labels: An Experimental Study	18H30	
18H30	Soukayna Belkadi, Ilias Cherti and Mohamed Bahaj	Lean in Information Technology: produce the human before the software	18H45	
18H45	Soukayna Belkadi, Cherti Ilias and Bahaj Mohamed	The barriers to Lean implementation in this new industrial context	19H00	
19H00	Rachid Lamrani, El Hassan Abdelwahed, Souad Chraibi, Sara Qassimi and Meriem Hafidi	Early childhood education: How Play Can Be Used To Meet Children's Individual Needs	19H15	
19H15	Karima Lamsaddak	The Right Pricing between the Econometric Model "Generalized Linear Model" and the era of Data Science: Application on the Basic Health Insurance in Morocco	19H30	
19H30	Yousra Benmakhlouf, Naima Ghailani Nourouti, Amina Barakat and Mohcine Bennani Mechita	Epidemiology of the Mental Retardation in Morocco	19H45	
19H45	Seghir Benhalima, Ambrish Chandra, Miloud Rezkallah and Abderraouf Raddaoui	Adaline and Instantaneous Power algorithms for Offshore and Onshore Wind Farms based VSCHVDC for Oil Gas Station Application	20H00	
20H00	Ayoub Oubourhim, Khalil El Hami and Aziz Soufi	Efficiency energy Standards and labelling for residential appliances in Morocco	20H15	

SESSION13:

TOPIC I1: ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO HEALTH SESSION CHAIRS: JAIME LLORET MAURI, MOSTAFA EZZIYYANI FRIDAY, JULY 13- 2018 (17H30 TO 19H00) I1				
17H30	Hajar Khallouki, Mohamed Bahaj and Philippe Roose	Smart Emergency Alert System using Internet of Things and Linked Open Data for Chronic Disease Patients		17H45
17H45	Chaymae Benfares, Younes El Bouzekri El Idrissi and Karim Hamid	Personalized Healthcare System based on Ontologies		18H00
18H00	Houssam Benbrahim, Hanaâ Hachimi and Aouatif Amine	Survey on the use of Health Information Systems in Morocco: current situation, obstacles and proposed solutions		18H15
18H15	Husam Awwad	Applied study of energy saving, voltage drop reducing technically using reactive power compensation and cable resizing in Gaza electrical grid and its program simulation quality improvement		18H30
18H30	Mohamed Louzazni, Ahmed Khouya, Khalid Amechnoue, Marco Mussetta and Rachid Herbazi	Analytical modelling and analysis of thermal behaviour for series resistance of solar cell		18H45
18H45	Javier Rocher, Lorena Parra, Sandra Sendra and Jaime Lloret	Smart System for Monitoring Apnea Episodes in Domestic Environments with Sound Sensor		19H00

SESSION14:

TOPIC J1: I ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO ENVIRONMENT SESSION CHAIRS: HAMMOUTI BELKHEIR, LABBASSI KAMAL FRIDAY, JULY 13- 2018 (17H30 TO 20H00) J1			
17H30	Abdelilah Azyat, Naoufal Raissouni, Nizar Ben Achhab, Asaad Chahboun, Mohammed Lahraoua, Ikram Elmaghnougi, Boutaina Sebbah and Imane Alaoui Ismaili	Urban Parks Spatial Distribution Analysis and Assessment Using GIS and Citizen Survey in Tangier City, Morocco (2015 Situation)	17H45
17H45	Joao Bioco, Joao Silva, Fernando Canovas and Paulo Fazendeiro	A Cellular Automata Model of Spatio-temporal Distribution of Species	18H00
18H00	Fatima Zahra Karmil, Sara Mountadar, Mostapha Siniti, Anouar Rich and Mohammed Mountadar	Study of the effect of evaporation temperature on the qualitative and quantitative separation of marine mineral salts: Prediction and application on the seawaters of the Atlantic Sea, Morocco	18H15
18H15	Dounia Azzouni and Noureddine El Outassi	A Performance d'Aspergillus niger et Kluyveromyces marxianus dans la production de bioéthanol optimisé à partir des déchets laitiers	18H30
18H30	Imane Badaoui and Mohamed Tamali	State of the art and perspective of the wetlands in Algeria; Taghit case (Zosfana watershed, South-West Algeria)	18H45
18H45	Nihad Chakri, Btissam El Amrani, Faouzi Berrada and Fouad Amraoui	Study of wastewater treatment's scenarios of the Faculty of Sciences- Ain Chock, Casablanca. Proposal I: Vertical flow filter.	19H00
19H00	Hasnaa El Harhour	Industrial Area with "zero waste to landfill" Waste mapping and deployment of waste management tools	19H15
19H15	Imad Krikech, Gaël Le Pennec and Mohammed Ezziyyani	New tools for the diagnosis, characterization and improvement of the quality of coastal waters of the eastern Mediterranean, Morocco	19H30
19H30	Fidâ Baragh, Khalid Draoui, Brahim El Bali, Mahfoud Agunaou and Abdelhak Kherbeche	Optimization by response surface methodology of Copper-pillared clay catalysts efficiency for the CWPO of 4-Nitrophenol	19H45

SESSION 15:

TOPIC F2: Big Data Analytics, Business Intelligence, and Natural Language Processing(NLP) SESSION CHAIRS: Sanae KHALI ISSA, Nouredine EN-NAHNA SATURDAY, JULY 14 - 2018 (12h30 to 15h00)			
			F₂
12H30	Aouatif Bencheikh and Abdeljabbar Cherkaoui	Transition model from articulatory domain to acoustic domain of phoneme using SVM for regression: Towards a silent spoken communication	12H45
12H45	Farchi Mohamed, Tahiry Karim, Mounir Badia, Mounir Ilham and Mouhsen Ahmed	Arabic Stop Consonant Acoustic Characterization	13H00
13H00	Allae Erraissi and Abdessamad Belangour	Capturing Hadoop Storage Big Data layer meta-concepts	13H15
13H15	Fatima Ezzahra Lagrari, Mohamed Youssfi El Kettani and Ziyati Houssaine	An improved predictive model of text categorization based on feature selection using genetic algorithm and random forests for classification: case for business documents	13H30
13H30	Othmane Rahmaoui, Kamal Souali and Mohammed Ouzzif	Towards an Improvement of the Software Documentation using a Traceability Approach	13H45
13H45	Badr Hirchoua, Ouhbi Brahim and Frikh Bouchra	Topic Hierarchies for Knowledge Capitalization using Hierarchical Dirichlet Processes in Big Data Context	14H00
14H00	Abdellatif Haj, Youssef Balouki and Taoufiq Gadi	Automated Checking of Conformance to SBVR Structured English notation	14H15
14H15	Imad Zeroual and Abdelhak Lakhouaja	A Comparative Study of Standard Part-of-Speech Taggers	14H30
14H30	Mariame Jenhi, Ahmed Roukhe and Laamari Hlou	Analysis Of Speaker's Voice In Cepstral Domain Usign MFCC Based Feature Extraction And VQ Technique For Speaker Identification System	14H45
14H45	Mariame Jenhi, Ahmed Roukhe and Laamari Hlou	Analysis Of Speaker's Voice In Cepstral Domain Usign MFCC Based Feature Extraction And VQ Technique For Speaker Identification System	15H00



AI2SD-18 Program



SESSION 16:

TOPIC H3: Advanced Intelligent Systems for Sustainable Development Applied to Energy SESSION CHAIRS: Jbilou Mohammed, Hanae El Kalkha SATURDAY, JULY 14 - 2018 (12h30 to 15h00)				H3
12H30	Rachid Herbazi, Khalid Amechnoue, Ahmed Khouya, Adil Chahboun, Mustapha Diani, Mohamed Louzazni and Mohamed Addou	Performance analysis of grid connected photovoltaic plant in Tangier, Morocco	12H45	
12H45	Abdelali Laaraj and Rahma Adhiri	Elaboration and characterization of the tetragonal tungsten bronze ferroelectric Sr2(1-x)Na(1+x)GdxNb5O15	13H00	
13H00	Imane Worighi and Abdelilah Maach	Optimization of a wind and PV Hybrid power system using Energy Storage System	13H15	
13H15	Mohamed Chentouf, Zineabidine Alaoui and Lekbir Cherif	Library Pruning for Power Saving During Timing and Electrical Design Rule Optimization	13H30	
13H30	El Moutarajji Abdelghafour, Tbib Bouazza and El-Hami Khalil	Effect of Erbium element addition on optical and electrical properties of Polytetrafluoroethylene	13H45	
13H45	Youssef Hamdaoui and Abdelilah Maach	Ontology-Based Context Agent for Building Energy Management Systems	14H00	
14H00	Kaoutar Rabyi and Hassane Mahmoudi	Performance of DFIG Wind Turbine using Dynamic Voltage Restorer based Fuzzy Logic Controller	14H15	
14H15	Mustapha Elqasemy and Said Raghay	Better Routing Strategies for Optimizing Energy in Wireless Sensor Networks	14H30	
14H30	Azzeddine Laknizi	Energy performance and environmental impact of an earth-air heat exchanger for heating and cooling a poultry house.	14H45	
14H45	Mourad Boutahir, Chenouf Jamal, Fakrach Brahim, Rahmani Abdelhai, Hassane Chadli and Abdelali Rahmani	Raman analysis of graphene/PANI nanocomposites for photovoltaic	15H00	

SESSION 17:

TOPIC H4: Advanced Intelligent Systems for Sustainable Development Applied to Energy SESSION CHAIRS: ALI ASTITO, AHACHAD MOHAMMED SATURDAY, JULY 14 - 2018 (12H30 TO 15H00)				H4
12H30	Mensouri Mohammed and Aaroud Abdessadek	Performance and Complexity Comparisons of Polar Codes and Turbo Codes		12H45
12H45	Saad Ouali and Abdeljabbar Cherkaoui	Voltage sensitivity analysis for radial distribution system		13H00
13H00	Meryem Bachar, Ahmed Naddami, Sanaa Hayani and Ahmed Fahli	Optimization of PV panel using P&O and Incremental conductance algorithms for desalination mobile unit		13H15
13H15	Halima Ikaouassen, Kawtar Moutaki, Abderraouf Raddaoui and Miloud Rezkallah	Enhanced Predictive Model Control based DMPPT for Standalone Solar Photovoltaic System		13H30
13H30	Ikram Merini, Angel Molina-Garcia, M ^a Socorro Garcia-Cascales and Mohamed Ahachad	Energy Efficiency Regulation and Requirements: Comparison between Morocco and Spain		13H45
13H45	Kawtar Moutaki, Halima Ikaouassen, Abderraouf Raddaoui and Miloud Rezkallah	Lyapunov Function based Control for Grid-Interfacing Solar Photovoltaic System with Constant Voltage MPPT Technique		14H00
14H00	Abdennasser Benkada	Optimal Power Control Strategy of a PMSG Using T-S Fuzzy Modeling		14H15
14H15	Lamyae Mellouk, Khalid Zine-Dine, Mohammed Boulmalf, Abdessadek Aaroud and Driss Benhaddou	Wind And Photovoltaic Energy Availabilty And Its Cost Estimation For Tangier Region		14H30
14H30	Dounia El Bourakadi, Ali Yahyaouy and Jaouad Boumhidi	Extreme Learning Machine based Multi-Agent System for Microgrid Energy Management		14H45
14H45	Kouhila Mounir, Hamza Lamsayeh, Idlimam Ali, Haytem Moussaoui and Lamharrar Abdelkader	The experimental study and modeling the drying kinetics of mediterranean mussel (Mytilus Galloprovincilis) type by convective solar energy		15H00

SESSION 18:

TOPIC H5: Advanced Intelligent Systems for Sustainable Development Applied to Energy SESSION CHAIRS: EL METOUI MUSTAPHA, EL FELSOUI ZOUBIR SATURDAY, JULY 14 - 2018 (12H30 TO 14H45)				H5
12H30	Abderrazzak Elamim, Bouchaib Hartiti, Abdelfattah Barhdadi, Amine Haibaoui, Abderrazak Lfakir and Philippe Thevenin	Prediction of time series of photovoltaic energy production using artificial neural networks		12H45
12H45	Amine Haibaoui, Bouchaib Hartiti, Abderrazzak Elamim and Abderraouf Ridah	Performance analysis of 4.08 kWp grid connected PV system based on simulation and experimental measurements in Casablanca, Morocco		13H00
13H00	Mohamed Amine Ben Taher, Abdelmounim Al Jamar, Firdaous Akzoun, Mohammed Ahachad and Mustapha Mahdaoui	Energy study of different solar water heating systems in MENA region		13H15
13H15	Ilyas Mzougui and Zoubir El Felsoufi	Study and improvement of the FMECA in a production way		13H30
13H30	Abdelmoula Ait Allal, Khalifa Mansouri, Mohamed Youssfi and Mohammed Qbadou	Ship operational measures implementation's impact on energy-saving and GHG emission		13H45
13H45	Naim Ayman, Abdessadek Aaroud and Said Saadani	An automatic system for water meter index extraction		14H00
14H00	Essaghir Soukaina and Benchagra Mohamed	Control of a Proportional Resonant Current Controller Based Photovoltaic Power System		14H15
14H15	Sara Naamane, Fatima Zahra Bouaich, Nour El Hoda Mtarfi, Zakia Rais and Mustapha Taleb	Environmental and technical criteria of cement-SSA mixtures		14H30
14H30	Mohamed Zebiri, Mohamed Mediouni and Hicham Idadoub	The Behavior of a photovoltaic module under shading, in the presence of a faulty bypass diode.		14H45

SESSION19:

TOPIC I2 Advanced Intelligent Systems for Sustainable Development Applied to Health SESSION CHAIRS: JAIME LLORET MAURI, YOUSEF ZAZ SATURDAY, JULY 14 - 2018 (12H30 TO 15H30)			
I ₂			
12H30	Samir Boukil, Loubna Cherrat, Fatiha El Adnani, Abd Elmajid El Moutaouakkil and Mostafa Ezziyyani	Deep Learning Algorithms for Suicide Sentiment Prediction	12H45
12H45	Sara Qassimi, El Hassan Abdelwahed, Meriem Hafidi and Rachid Lamrani	The role of recommender system of tags in clinical decision support	13H00
13H00	Mostafa Ezziyyani and Cherrat Loubna	Analytical Approach for virtual Classification of e-Health Interventions and Medical Data sources integration	13H15
13H15	Kenza Arbai and Hanane Alloui	MRI images segmentation approach for Alzheimer detection using Multi-Agent Systems	13H30
13H30	El Khatir Haimoudi, Mostafa Ezziyyani and Otman Abdoun	Towards an intelligent data analysis system for decision making in medical diagnostics	13H45
13H45	Asma Ammari and Rachida Saouli	Omnet++ simulation of facial nerve monitoring in real time neurosurgery based on WBAN	14H00
14H00	Safae Sossi Alaoui, Brahim Aksasse and Yousef Farhaoui	Statistical and predictive analytics of chronic kidney disease	14H15
14H15	Fatimaezzahra Benmarrakchi, Nihal Ouherrou, Oussama Elhammoumi and Jamal El Kafi	An Innovative Approach to Involve Students with Learning Disabilities in Intelligent Learning Systems	14H30
14H30	Khalid Auhmani, Nezha Hamdi, Moha Mrabet Hassani and Omar Elkharki	A new method based-Gentle Adaboost and wavelet transform for breast cancer classification	14H45
14H45	Hanane Grissette and El habib Nfaoui	A Conditional Sentiment Analysis Model for the embedding patient self-report Experiences on Social Media	15H00
15H00	Hassane El Bekkouri, Abdessamad Didi, Ahmed Dadouch and Abdelmajid Maghnouj.	Obtaining an X-ray of the Zubal Phantom by Monte Carlo simulation using MCNP code	15H15
15H15	Yassine Baskoun, Salah Dine Qanadli, Moha Arouch, Mohamed Taouzari, Mustafa Elalami and Aziz Hraiba	Development of a new diagnostic tool in the field of endoscopy and telemedicine applications	15H30

SESSION 20:

TOPIC J2: Advanced Intelligent Systems for Sustainable Development Applied to Environment
SESSION CHAIRS: LABBASSI KAMAL, HAMMOUTI BELKHEIR, | SATURDAY, JULY 14- 2018 (12H30 TO 15H00) **J2**

12H30	Fatima Ezzahra Sakhi, Abdelmoula Ait Allal, Khalifa Mansouri and Mohammed Qbadou	Toward a study of environmental impact of the Tanger Med port container terminals	12H45
12H45	Abdelhak Zoglat, Amine Amar, Fadoua Badaoui and Laila Ait Hassou	A copulas approach for forecasting the rainfall	13H00
13H00	Hamza Belbsir and Khalil El-Hami	Modeling the flow behavior of phosphate-water slurry through the pipeline and simulating the impact of pipeline operating parameters on the flow	13H15
13H15	Abdelmoula Ait Allal, Khalifa Mansouri, Mohamed Youssfi and Mohammed Qbadou	Toward a study of environmental impact of shipping industry and proposal of alternative solutions	13H30
13H30	Dalila Sakhi, Youness Rakhila, Abdellah Elmchaouri, Meriem Abouri, Salah Soaoui and Amane Jada	Optimization of Coagulation Flocculation process for the Removal of Heavy Metals from Real Textile Wastewater	13H45
13H45	Younes Khdaychi	Electrochemical detection of metallic trace elements in total atmospheric fallout and particulate matters in Morocco	14H00
14H00	Imane Boulahfa, Khadija Aboumaria, Rachid El Halimi, Abdeladim Batmi and Mustapha Maatouk	Modeling the spatial distribution of rainfall in the Tangier area (Northern Morocco)	14H15
14H15	Jada El Kasri, Abdelaziz Lahmili, Latifa Ouadif and Lahcen Bahi	Comparison of the relevance and the performance, of filling gaps methods in climate datasets	14H30
14H30	Jamal Mabrouki, Souad El Hajjaji, Moufti Ahmed, Iman Bencheikh and Karima Azoulay	Hydrogeological and Hydrochemical Study of Underground Waters of the Tablecloth in the vicinity of the controlled city dump Mohammedia (Morocco)	14H45
14H45	Amal Sbai and Mohammed Karim Benhachmi	The contribution of remote sensing and Geographic Information System (GIS) in the management of water resources in the Mediterranean West zone Morocco	15H00

SESSION 21:

TOPIC J3: Advanced Intelligent Systems for Sustainable Development Applied to Environment
SESSION CHAIRS: EZZIYYANI MOHAMMED, MOHAMED EL BRAK | SATURDAY, JULY 14 - 2018 (12H30 TO 15H00) J3

12H30	Samiya Sabir	The management of waste collection in Casablanca	12H45
12H45	Ouaissa Khadija, Kritihi Assia, Hasnaoui Mustapha, Maychal Aziz and Oumessoud Youness	ELABORATION OF TWO ECOLOGICAL FOODS OF TROUT RAINBOW (ONCHORYNCHYS MYKISS WALBAUM, 1792) BY EXTRUSION SYSTEM	13H00
13H00	Assia Kritihi, Khadija Ouaissa, Abdelaziz Maychal, Youness Oumessaoud and Mustapha Hasnaoui	Bacterial inspection of flavobacterium genus in brook trout (Salvelinus fontinalis) with skin lesions in Morocco	13H15
13H15	Tarik Chafiq, Hassane Jarar Oulidi, Ahmed Fikri and Abdenbi Elaloui	Towards SDI services for geological maps data	13H30
13H30	Naima Azeroual, Adil Dani, Bouchra Bejjany, Hamid Mellouk and Khalid Digua	Optimizing the treatment of reconstituted waste water from Acid Red35 Dye by Electrocoagulation in an Internal Loop Airlift reactor using the Experimental Design	13H45
13H45	El Afia Mouna, Brahim Damnati, Hamid Bounouira, Khalid Embarch, Hamid Amsil, Moussa Bounakhla, Mounia Tahri and Ilyas Aarab	Water quality of El Hachef River (Region of Tangier-Tetouan-Al Houceima, North West Morocco)	14H00
14H00	Manale Zouitina, Khadija Echarrafi, Mounia El Haji and Ibtissam El Hassani	A review of solid waste composting process : The perspective for fast composting	14H15
14H15	Khadija Echarrafi, Manale Zouitina, Ibtissam Elhassani and Mounia El Haji	Optimisation algorithms applied to Anaerobic Digestion Process of Olive Mill Wastewater	14H30
14H30	Marwane Benhadou, Nadia Bufardi and Abdelouahid Lyhyaoui	Emission inventory in urban road: case study Tangier city	14H45
14H45	Elhassane Nassif and Hicham Hajji	Exploring Apache Spark Data APIs for Water Big Data Management	15H00

SESSION22:

TOPIC B3: INFORMATION SECURITY AND OPTIMIZATION ALGORITHMS SESSION CHAIRS: MOHAMMED SAID RIFFI, EL OUADGHIRI MY DRISS SATURDAY, JULY 14 - 2018 (16H30 TO 18H00) E3			
16H30	Youssef Taouil and El Bachir Ameur	Steganographic Algorithm based on Adapting Secret Message to the Cover Image	16H45
16H45	Alaeddine Boukhalfa, Nabil Hmina and Habiba Chaoui	A Honeypot, Big Data and RNN Architecture for Automatic Real Time Security Monitoring of Information System	17H00
17H00	Soumaya El Mamoune, Mostafa Ezziyyani and Maroi Tsouli Fathi	A new langage for adaptatif system Structured Decision Network Language (SDNL)	17H15
17H15	Yasmina Andaloussi and Moulay Driss El Ouadghiri	Model-based security implementation on Internet of Things	17H30
17H30	Ahmed Lahjouji El Idrissi, Chakir Tajani, Imad El Karkri and Hanane Fakhouri	Immune based genetic algorithm to solve a combinatorial optimization problem	17H45
17H45	Taha AIT Tchakoucht, Mostafa Ezziyyani	Intrusion detection using Artificial Neural Networks and Particle Swarm Optimization	18H00

SESSION23:

TOPIC G1: ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO AGRICULTURE SESSION CHAIRS: MOHAMMED EZZIYYANI, HAJAR MOUSANNIF SATURDAY, JULY 14 - 2018 (16H30 TO 18H00) G1			
16H30	Hajji Tarik and Mohammed Ouazzani Jamil	Weather Data For The Prevention Of Agricultural Production With Convolutional Neural Networks	16H45
16H45	Haytem Moussaoui, Hamza Lamsyehe, Ali Idlimam, Abdelkader Lamharrar and Mounir Kouhila	Experimental study of the impact of drying parameters on Dandelion root by a solar dryer	17H00
17H00	Imane Rhouch and Abdelghani Laamyem	Valorization of natural solid materials and raw industrial waste in the adsorption of heavy metals from wastewater to be reused for Irrigation	17H15
17H15	Mohammed Ezziyyani, Ahlem Hamdache, Meryem Asraoui, Maria Emilia Requena, Catalina Egea-Gilabert and Maria Emilia Candela Castillo	Effect of climate change on growth, development and pathogenicity of phytopathogenic telluric fungi	17H30
17H30	Abdelhak Merizig, Hamza Saouli, Meftah Zouai and Okba Kazar	An intelligent approach for enhancing the agricultural production in arid areas using IOT technology	17H45
17H45	Cherat Loubna and Mostafa Ezziyyani	Smart management system to monitor the negative impact of chemical substances and the climate change on the environment and the quality of agricultural production	18H00

SESSION24:

TOPIC D2: MATHEMATICS, MATERIALS, AND SIGNAL PROCESSING SESSION CHAIRS: MOHAMMED BAHAI, A. EL MOUTAOUAKKIL SATURDAY, JULY 14 - 2018 (16H30 TO 18H00)				D2
16H30	Manal Ezzahmouly, Abdelmajid Elmoutaouakkil, Mohamed Ed-Dhahraoui, Karima Karim, Elhassan Gourri and Zineb Hatim	Three-Dimensional Micro-Computed Tomographic Study of Porous Bioceramics Using an Adaptive Method based on Mathematical Morphological Operation	16H45	
16H45	Tarik Amtout, Mustapha Er-Riani and Mustapha El Jarroudi	Symmetry group of heat transfer in a porous medium	17H00	
17H00	Ouahiba Boussofi, Kaoutar Lamrini Uahabi and Mohamed Atounti	A Note on the fractal dimension of Mandelbrot set and Julia sets in Misiurewicz points	17H15	
17H15	Lina El Alaoui El Abidi, Mounir Hanine and Brahim Aksasse	Analysis of real transient multiexponential signals using Matrix Pencil Method in Labview Environnement.	17H30	
17H30	Safa Jida, Brahim Aksasse and Mohamed Ouanan	Porosity estimation in carbonate rock based on Voronoi diagram and 2D histogram segmentation in HSV color space	17H45	
17H45	Li Li, Song Hua, Wang Desheng and Wang Chunyu	Microwave assisted catalytic oxidation of benzene with hopcalite	18H00	

SESSION25:

TOPIC E2: WEB SERVICES, ONTOLOGIES AND E-LEARNING SESSION CHAIRS: MOHAMMED GHAILAN, FEDDOUL KHOUKHI SATURDAY, JULY 14 - 2018 (16H30 TO 18H15)				E2
16H30	Karim Dahdouh, Ahmed Dakkak, Oughdir Lahcen and Ibriz Abdelali	Association rules mining method of big data for e-learning recommendation system	16H45	
16H45	Abdellah Bakhoui, Rachid Dehbi and Mohamed Talea	A New Web Service Architecture for Enhancing the Interoperability of LMS and Mobile applications Using the Next Generation of SCORM	17H00	
17H00	Ouafae El Aissaoui, Yasser El Alami El Madani, Lahcen Oughdir and Youssouf El Alloui	A hybrid machine learning approach to predict learning styles in adaptive e-learning system	17H15	
17H15	Zakaria Bousalem, Inssaf El Guabassi and Ilias Cherti	Toward Adaptive and Reusable Learning content Using XML Dynamic Labeling Schemes And Relational Databases	17H30	
17H30	Kamal Souali, Othmane Rahmaoui and Mohammed Ouzzif	Introducing a Traceability based Recommendation Approach using Chatbot for E-Learning Platforms	17H45	
17H45	Mouad Banane, ABDESSAMAD BELANGOUR	A Survey on RDF data store based on NoSQL systems for the Semantic Web applications	18H00	
18H00	K. Moummadi1, R. Abidar2, H. Medromi3, A. Ziani	Secured Remote Control of Greenhouse based on Wireless Sensor Network and Multi Agent Systems	18H15	



SESSION26:

TOPIC I3: ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO HEALTH SESSION CHAIRS: MOSTAFA EZZIYYANI, HAJAR MOUSANNIF SATURDAY, JULY 14 - 2018 (16H30 TO 18H00)				I ₃
16H30	Meriem Hafidi, El Hassan Abdelwahed, Sara Qassimi and Rachid Lamrani	Clustering and social recommendation applied in health community of practice	16H45	
16H45	Nadia Hamjane, Fatiha Benyahya, Mohcine Bennani Mechita, Naima Gailani Nourouti and Amina Barakat	The metabolic syndrome: prevalence, associated risk factors and health complications in obese subjects in northern Morocco	17H00	
17H00	Abdelhamid El Hassani, Brahim Ait Skourt and Aicha Majda	Efficient Lung CT Image Segmentation using Mathematical Morphology and the Region Growing algorithm	17H15	
17H15	Mbarek Marwan, Ali Kartit and Hassan Ouahmane	Genetic K-means Clustering Algorithm for Achieving Security in Medical Image Processing over Cloud	17H30	
17H30	Khrouch Sarah, Ezziyyani Mostafa, Ezziyyani Mohammed	Decision system for the selection of the best therapeutic protocol for breast cancer based on advanced Data mining	17H45	
17H45	Mouna Berquedich, Oulaid Kamach, Malek Masmoudi and Laurent Deshayes	Management of tensions in emergency services	18H00	

SESSION27:

TOPIC I4: ADVANCED INTELLIGENT SYSTEMS FOR SUSTAINABLE DEVELOPMENT APPLIED TO HEALTH SESSION CHAIRS: EZZINE ABDELHAK, ABDELLAH AZMANI SATURDAY, JULY 14 - 2018 (16H30 TO 17H45)				I ₄
16H30	El Amrani	E-health 2.0 or the Human 2.0	16H45	
16H45	El Mehdi Benyoussef, Abdeltif Elbyed and Hind El Hadiri	3D MRI Classification using KNN and Deep Neural Network for Alzheimer's Disease diagnosis	17H00	
17H00	Malik Benmansour, Wahida Handouzi and Abed Malti	Task-Specific Surgical Skill Assessment With Neural Networks	17H15	
17H15	Yassine Moumen, Otman Abdoun and Ali Daanoun	A parallel approach to optimize the supply chain management	17H30	
17H30	Intissar El Kaddaoui , Mostafa Ezziyyani	Predicting breast cancer using data mining techniques and association rules algorithms	17H45	

POSTER SESSIONS

TOPIC: SESSION CHAIRS: HANAE EL KALKHA, AHMED ZIANI SATURDAY, JULY 14 - 2018 (18H00 TO 20H00)			
	Soumaya El Emrani, Ali El Merzouqi and Mohamed Khalid	The pedagogical object as a smart tool for implementing an adaptive cMOOC	
	Moulay Hicham El Amari	E-health 2.0 or the Human 2.0	
	Hanane Alloui, Mohamed Sadgal and Aziz El Faziki	Alzheimer Detection based on Multi-Agent Systems	
	Samir Amri and Lahbib Zenkour	Neural Networks Architecture for Amazigh PoS Tagging	
	Imad Krikech, Gaël Le Pennec and Mohammed Ezziyyani	New tools for the diagnosis, characterization and improvement of the quality of coastal waters of the eastern Mediterranean, Morocco.	
	Hajar Baghdadi, Mohamed Imad Lamhamdi and Karim Rhofir	A Comparative Study of RF MEMS Switch Test Methods	
	Mustapha Elouaddany and Mohammed Karim Ben Hachmi	REMOTE SENSING/GIS FOR INTEGRATED WATER RESOURCE MANAGEMENT IN DOUKKALA ABDA	
	Abderrahim Bendaoud, Latifa Mouhir and Abdelmjid Zouhri	IMPACT OF COMPOST QUALITY ON THE FERTILITY OF AGRICULTURAL SOILS: Comparative Study Between 24h Compost and Classical Compost in Had Mzoura- Settati – Morocco.	
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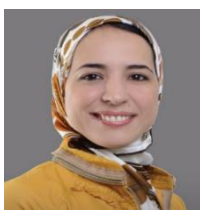




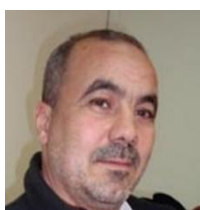
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