



**6th IFIP International Conference  
on Computer Science and Its Applications  
IFIP CIIA'2018  
Doctoral Symposium**



**Tuesday May 08th, 2018**

Duration	Time		
	Start	End	
30 min	8:30 AM	9:00 AM	<b>DOCTORAL SYMPOSIUM REGISTRATION</b>
75 min	9:30 AM	10:15 AM	<b>Tutorial 1 : Artificial Neural Networks for Engineering Analysis and Synthesis (Part 1/2) - Prof Mounir Boukadoum</b>
15 min	10:15 AM	10:30 AM	<b>COFFEE BREAK</b>
75 min	10:30 AM	11:45 AM	<b>Tutorial 1 : Artificial Neural Networks for Engineering Analysis and Synthesis (Part 2/2) - Prof Mounir Boukadoum</b>
90 min	11:45 AM	1:30 PM	<b>LUNCH</b>
75 min	1:30 PM	2:45 PM	<b>Tutorial 2 :Data Science: From Data to Knowledge (Part 1/2) - Prof Yahya Slimani</b>
15 min	2:45 PM	3:00 PM	<b>COFFEE BREAK</b>
60 min	3:00 PM	4:00 PM	<b>Tutorial 2 : Data Science: From Data to Knowledge (Part 2/2) - Prof Yahya Slimani</b>
90 min	4:00 PM	5:30 PM	<b>Poster Competition Oral Presentations (5-minutes per poster) Poster presentations</b>
			<b>Doctoral Symposium Closing Ceremony</b>



# 6th IFIP International Conference on Computer Science and Its Applications CIAA'2018



Wednesday May 09th, 2018

Duration	Time		Wednesday May 09th, 2018					
	Start	End	Paper ID	Room A	Paper ID	Room B	Paper ID	Room C
60 min	8:00 AM	9:00 AM	CONFERENCE REGISTRATION					
30 min	9:00 AM	9:30 AM	WELCOME SESSION					
60 min	9:30 AM	10:30 AM	Keynote 1 : The Plagiarizing Nature for Engineering Analysis and Design - Prof Mounir Boukadoum					
Chair:								
30 min	10:30 AM	10:50 AM	COFFEE BREAK					
			Paper ID	Session Name : Optimization	Paper ID	Session Name : Wireless Communications and Mobile Computing	Paper ID	Session Name : Internet of Things and Decision Support Systems
			Session Chair:			Session Chair:		
20 min	10:50 AM	11:10 AM	20	FA-SETPOWER-MRTA: A solution for Solving the Multi-Robot Task Allocation Problem  Farouq Zitouni and Ramdane Maamri	106	Efficient Broadcast of Alert Messages in VANETs  Hadjer Goumidi, Zibouda Aliouat and Makhlof Aliouat	191	Crowdsourced Collaborative Decision Making in Crisis Management: Application to Desert Locust Survey and Control  Mohammed Benali, Reda Abdessamed Ghomari and Leila Zemmouchi-Ghomari
20 min	11:10 AM	11:30 AM	47	Evolutionary Multi-Objective Optimization of Business Process Designs with MA-NSGAI  Nadir Mahammed, Sidi Mohamed Benslimane and Nesrine Hamdani	49	Terrain partitioning based approach for realistic deployment of wireless sensor networks  Zafer Mostefa, Senouci Mustapha Reda and Mohamed Aissani	70	Enhancement of IoT Applications Dependability using Bayesian Networks  Yasmine Harbi, Zibouda Aliouat and Sarra Hammoudi
20 min	11:30 AM	11:50 AM	42	Effective Streaming Evolutionary Feature Selection Using Dynamic Optimization  Abdenmour Boulesnane and Souham Meshoul	129	Impact of Clustering Stability on the Improvement of Time Synchronization in VANETs  Khedidja Medani, Makhlof Aliouat and Zibouda Aliouat	146	Towards an Extensible Context Model for Mobile User in Smart Cities  Boudjemaa Boudaa, Slimane Hammoudi and Sidi Mohamed Benslimane
20 min	11:50 AM	12:10 PM	69	Sink Mobility based on Bacterial Foraging Optimization Algorithm  Ranida Hamidouche, Manel Khentout, Zibouda Aliouat, Abdelhak Mourad Gueroui and Ado Adamou Abba Ari	61	Hybrid Acknowledgment Punishment Scheme based on Dempster-Shafer Theory for MANET  Mahdi Bounouni and Louiza Bouallouche-Medjkoune	184	Combining proactive and reactive approaches in smart services for the Web of Things  Nawel Sekkal, Sidi Mohamed Benslimane, Michael Mrissa and Boudjemaa Boudaa
20 min	12:10 PM	12:30 PM	85	Social-Spider Optimization Neural Networks for Microwave Filters Modeling  Erredir Chahrazad, Emir Bouarroudj and Mohamed Lahdi Riabi	109	Improving Sensed Data Dependability and Integrity in Wireless Sensor Networks  Zibouda Aliouat and Makhlof Aliouat	195	Multi-agent system based service composition in the Internet of things  Samir Berrani, Ali Yachir, Badis Djamaa and Mohamed Aissani
90 min	12:30 PM	2:00 PM	LUNCH					

60 min	2:00 PM	3:00 PM	<b>Keynote 2 : Advanced Technology and Social Media Influence on Research, Industry and Community - Prof Reda Alhadj</b>					
							<b>Chair:</b>	
			Paper ID	<b>Session Name : Planning and Scheduling</b>	Paper ID	<b>Session Name : Semantic Web Services</b>	Paper ID	<b>Session Name : Pattern Recognition and Image Processing</b>
			<b>Session Chair:</b>		<b>Session Chair:</b>		<b>Session Chair:</b>	
20 min	3:00 PM	3:20 PM	128	<b>Solving an integration process planning and scheduling in a flexible job shop using a hybrid approach</b>	15	<b>Enhancing Content Based Filtering Using Web of Data</b>	103	<b>Combined and Weighted Features for Robust Multispectral Face Recognition</b>
			Keddari Nassima, Mebarki Nasser and Sari Zaki		Hanane Zitouni, Souham Meshoul and Kamel Taouche		Nadir Kamel Benamara, Ehlem Zigh, Tarik Boudghene Stambouli and Mokhtar Keche	
20 min	3:20 PM	3:40 PM	152	<b>Scheduling with set-ups in an open shop environment</b>	74	<b>Selecting Web Service Compositions under Uncertain QoS</b>	107	<b>Conjugate Gradient method for Brain Magnetic Resonance Images Segmentation</b>
			Nadia Babou, Mourad Boudhar and Djamel Rebaine		Zeyneb Remaci, Fethallah Hadjila and Fedoua Didi		El-Hachemi Guerrout, Samy Ait-Aoudia, Dominique Michelucci and Ramdane Mahiou	
20 min	3:40 PM	4:00 PM	202	<b>Optimal scheduling of multiproduct pipeline system using MILP continuous approach</b>	167	<b>Unified-Processing of Flexible Division dealing with Positive and Negative Preferences</b>	120	<b>Facial expressions recognition: Development and application to HMI</b>
			Abdellaoui Wassila, Berrichi Asma, Bennacer Djamel, Maliki Fouad and Ghomri Latefa		Noussaiba Benadjimi and Walid-Khaled Hidouci		Zekhnine Cherifa and Berrached Nasr Eddine	
20 min	4:00 PM	4:20 PM	29	<b>Scheduling in Real-Time Systems Using Hybrid Bees Strategy</b>	172	<b>An improved collaborative filtering recommendation algorithm for big data</b>	67	<b>Automatic recognition of plant leaves using parallel combination of classifiers</b>
			Yahyaoui Khadidja and Bouri Abdenour		Hafed Zarzour, Faiz Maazouzi, Mohamed Soltani and Chaouki Chemam		Lamis Hamrouni, Ramla Bensaci, Mohammed Lamine Kherfi , Belal Khaldi and Oussama Aiadi	
20 min	4:20 PM	4:40 PM	136	<b>A new Hybrid Genetic Algorithm to deal with the Flow Shop Scheduling Problem for makespan minimization</b>	169	<b>Implementing a Semantic Approach for Events Correlation in SIEM Systems</b>	189	<b>SSD and Histogram for person re-identification system</b>
			Fatima Zohra Boumediene, Yamina Houbad, Ahmed Hassam and Latefa Ghomri		Tayeb Kenaza, Abdelkarim Machou and Abdelghani Dekkiche		Abdullah Salem Baquhaizel, Safia Kholkhal, Belal Alshaqqaqi and Mokhtar Keche	
20 min	4:40 PM	5:00 PM	<b>COFFEE BREAK</b>					
			Paper ID	<b>Session Name : Evolutionary Computation (1/3)</b>	Paper ID	<b>Session Name : Data Mining and Information Retrieval (1/2)</b>	Paper ID	<b>Session Name : Machine Learning (1/3)</b>
			<b>Session Chair:</b>		<b>Session Chair:</b>		<b>Session Chair:</b>	
20 min	5:00 PM	5:20 PM	22	<b>Hybrid Artificial Bees Colony and Particle Swarm on Feature Selection</b>	11	<b>Basketball Analytics: Data mining for acquiring performances</b>	48	<b>Gearbox fault diagnosis Based on Mel-frequency cepstral coefficients and Support Vector Machine</b>
			Hayet Djellali, akila Djebbar, Nacira Ghoualmi-Zine and Nabiha Azizi		Hamdad Leila, Benatchba Karima, Belkham Fella and Cherairi Nesrine		Tarak Benkedjough	
20 min	5:20 PM	5:40 PM	28	<b>An Efficiency Fuzzy Logic Controller Power Management For Light Electric Vehicle Under Different Speed Variation</b>	102	<b>Computational Ontologies for a semantic representation of the Islamic knowledge</b>	32	<b>Automatic Ontology Learning from Heterogeneous Relational Databases: Application in Alimentation Risks Field</b>
			Nouria Nair, Gasbaoui Brahim and Ghazouani Abdelkader		Fairouz Bendjamaa and Taleb Nora		Aicha Aggoune	
20 min	5:40 PM	6:00 PM	30	<b>A New Handwritten Signature Verification System based on the Histogram of Templates Feature and the Joint Use of the Artificial Immune System with SVM</b>	105	<b>Exploring Graph Bushy Paths to Improve Statistical Multilingual Automatic Text Summarization</b>	54	<b>A Modified Firefly Algorithm with Support Vector Machine for Medical Data Classification</b>
			Yasmine Serdouk, Hassiba Nemmour and Youcef Chibani		Abdelkrime Aries, Djamel Eddine Zegour and Walid Khaled Hidouci		Brahim Sahmadi, Dalila Boughaci, Rekia Rahmani and Noura Sissani	
8:30 PM			<b>GALLA DINER</b>					



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Duration		Time		Thursday May 10th, 2018					
		Start	End	Paper ID	Room A	Paper ID	Room B	Paper ID	Room C
60 min	9:00 AM	10:00 AM		<b>Keynote Presentation 3: Model Based Software Management - Prof Ferhat Khendek</b>					
Chair:									
30 min	10:00 AM	10:30 AM	<b>COFFEE BREAK</b>						
			<b>Session Name : Evolutionary Computation (2/3)</b>		<b>Session Name : Data Mining and Information Retrieval (2/2)</b>		<b>Session Name : Machine Learning (2/3)</b>		
			<b>Session Chair:</b>		<b>Session Chair:</b>		<b>Session Chair:</b>		
20 min	10:30 AM	10:50 AM	73	<b>Improved Quantum Chaotic Animal Migration Optimization algorithm for QoS multicast routing problem</b> Mohammed Mahseur, Abdelmadjid Boukra and Yassine Meraihi	176	<b>Understanding user's intention in semantic based image retrieval: combining positive and negative examples</b> Meriem Korichi, Mohammed Lamine Kherfi , Mohamed Batouche, Zineb Kaoudja and Hadjer Bencheikh	46	<b>Towards the Prediction of Multiple Soft-biometric Characteristics from Handwriting Analysis</b> Nesrine Bouadjenek, Hassiba Nemmour and Youcef Chibani	
20 min	10:50 AM	11:10 AM	76	<b>Developing a Conceptual Framework for Software Evolution Methods via Architectural Metrics</b> Gasmallah Nouredine, Abdelkrim Amirat, Mourad Oussalah and Hassina Seridi	170	<b>A Parallel Implementation of GHB Tree</b> Zineddine Kouahla and Adeel Anjum	82	<b>Ensemble Learning for Large Scale Virtual Screening on Apache Spark</b> Karima Sid and Mohamed Batouche	
20 min	11:10 AM	11:30 AM	166	<b>A Study on Self-adaptation in the Evolutionary Strategy Algorithm</b> Nouredine Boukhari, Fatima Debbat, Nicolas Monmarché and Mohamed Slimane	175	<b>Leveraging Web Intelligence for Information Cascade Detection in Social Streams</b> Mohamed Cherif Nait-Hamoud, Fedoua Didi and Abdel Ennaji	124	<b>Trace based system in TEL systems: Theory and practice</b> Djouad Tarek and Alain Mille	
20 min	11:30 AM	11:50 AM	179	<b>Swarm Intelligence Algorithm for Microwave Filter Optimization</b> Erredir Chahrazad, Emir Bouarroudj and Mohamed Lahdi Riabi	19	<b>Similarity measures for spatial clustering</b> Hamdad Leila, Benatchba Karima, Ifrez Soraya and Mohguen Yasmine	159	<b>Flexibility in Classification Process</b> Ismail Biskri	
100 min	11:50 AM	1:30 PM	<b>LUNCH</b>						

				<b>Session Name : Evolutionary Computation (3/3)</b>		<b>Session Name : Machine Learning (3/3)</b>
				<b>Session Chair:</b>		<b>Session Chair:</b>
20 min	1:30 PM	1:50 PM	200	<b>Innovation Diffusion in Social Networks : a Survey</b>	130	<b>Using a Social-based Collaborative Filtering with Classification Techniques</b>
				Somia Chikouche, Abderraouf Bouziane, Salah Eddine Bouhouita Guermech, Messaoud Mostefai and Mourad Gouffi		Lamia Berkani
20 min	1:50 PM	2:10 PM	210	<b>An Efficient Cooperative Method to Solve Multiple Sequence Alignment Problem</b>	165	<b>An Evolutionary Scheme for Improving Recommender System Using Clustering</b>
				Lamiche Chaabane		Chemseddine Berbague, Nour El-Islem Karabadjji and Hassina Seridi
20 min	2:10 PM	2:30 PM			203	<b>Drug-Target Interaction Prediction in Drug Repositioning based on Deep Semi-Supervised Learning</b>
						Meriem Bahi and Mohamed Batouche
30 min	2:30 PM	3:00 PM	<b>Closing Ceremony</b>			
			<b>City Tour</b>			