AICCSA 2021

Technical Program (GMT+1 - Europe/Paris, CET)

Tuesday 30th November 2021

GMT+1 (Paris time)

	Workshop STRS		Workshop HOPE	
	Chair: Zhanmao Cao		Chair: Thomas Lux, Adel Taweel	
	Presenter	Title	Presenter	Title
9:30 - 9:45	Anastasia Natsiou	Audio representations for deep learning in sound synthesis: A review	Diana Haidar	Health and Well-being Impact of Coronavirus: A Case study of West Midlands vs England
9:45 - 10:00	Asma Ammari	Slice-Level-Guided Convolutional Neural Networks to study the Right Ventricular Segmentation using MRI Short-Axis sequences	Mohamed Adel Serhani	Federated Patient Similarity Network for Data-Driven Diagnosis of COVID-19 Patients
10:00 - 10:15	Souhila BOUCHAM	A language independent approach to multilingual document representation including Arabic	Seyda Alperen Pehlivan	Performance Evaluation and Statistical Data Analysis of a Call Center
10:15 - 10:30	Emna Brahim	Change detection in optical remote sensing images using shearlet transform and convolutional neural networks	Erik Krempel	Towards Distributed Healthcare Systems – Virtual Data Pooling between Cancer Registries as Backbone of Care and Research

10:30 - 10:45	*Coffee Break*

	Workshop STRS		Workshop HOPE	
	Chair: Aiqin Hou		Chair: Elyes Lamine, Yousef Khader	
	Presenter	Title	Presenter	Title
10:45 - 11:00	Fatma Zahra Besdouri	Improvement of the COTA-Orthography system	Lisanne Kremer	Virtual Process Simulation in Health Care: Potentials
11:00 - 11:15	meriem hafidi	Semantic user profile enrichment in collective intelligence context : a Healthcare case study	Adel Taweel	A Model for Evaluating Temporal Eligibility Criteria on Large and Diverse Data Repositories
11:15 - 11:30	Sadek Mansouri	Arabic text detection in news video using RetinaNet	Rafika THABET	Development of a Risk-aware Business Process Modeling Tool for Healthcare processes
11:30 - 11:45	Lamia KARIM	Trajectory-based Modeling for Fraud Detection and Analytics: Foundation and Design	Francis Faux	Membership, syndromic and causality graphs to represent the emergency physician's reasoning
11:45 - 12:00			Thomas Lux	SUCCESS FACTORS FOR MARKET ENTRY OF MOBILE HEALTH STARTUPS

12:00-12:45	AICCSA 2021	**Workshop Keynote Speaker** **Prof. Qiang Duan (Chair: Prof. Aiqin Hou)**

12:45 - 13:45	*Lunch*

13:45 - 14:15	AICCSA 2021	**Opening and Welcome** Presentation of AICCSA and the 2021 edition, General Chairs and Prgramm Chairs Official Opening Words, General Chairs

14:15 - 15:00	AICCSA 2021	**Keynote Speaker 1** **Prof. Khan Samee (Chair: Prof. Elhadj Benkhelifa)**

15:00 - 15:30	*Coffee Break*

	Paper Track 2: Cloud, Parallel, Distributed and High Performance Computing	
	Chair: Abdelmounaam Rezgui ,Hassan BADIR, Abderrahmen Mtibaa	
	Presenter	**Title**
15:30 - 15:45	Mohamed CHENTOUF	Last Mile Leakage Optimization for ULP Devices
15:45 - 16:00	Yassine ATTAOUI	A new MBFF merging strategy for post-placement power optimization of IoT devices
16:00 - 16:15	Samah Rahamneh	A Comparison of Different Optimization Algorithms for HW/SW Partitioning of Cloud Applications

16:30 - 19:00	**PHD Forum**

Wednesday 1st December 2021

10:00 - 11:00	AICCSA 2021	**Keynote Speaker 2** **Prof. Karina Gibert Oliveras (Chairs: Prof. Chirine Ghedira Guegan & Prof. Genoveva Vargas-Solar)**

11:00 - 11:15	*Coffee Break*

11:15 - 12:15	**Women in STEM**

12:15 - 14:00	*Lunch*

Paper Track 3: Multimedia, Computer Vision and Image Processing

	Chair: Nadjia Benblidia, Miguel Garcia	
	Presenter	Title
14:00 - 14:15	Ahmed Blaiech	A Novel Deep Learning Model for Knee Cartilage 3D Segmentation
14:15 - 14:30	Muhammad Mohsin	Automatic Prostate Cancer Grading Using Deep Architectures
14:30 - 14:45	khouloud Ferchichi	Efficient Face Verification Under Makeup Changes Using Few Salient Regions
14:45 - 15:00	Hadjer Boughanem	Towards a deep neural method based on freezing layers for in-the-wild facial emotion recognition

15:00 - 15:30	Coffee Break

	Paper Track 4: Advances in Software Engineering	
	Chair: Mostafa Ezziyyani, Bharat Bhushan	
	Presenter	Title
15:30 - 15:45	Hassan Farsi	Following Domain Driven Design principles for Microservices decomposition: is it enough?
15:45 - 16:00	Nesrine KHABOU	Gumbel Distribution Adjustment Improvement for Accurate Extreme Values Prediction
16:00 - 16:15	Marina Luiza Vieira	Representation of Smart Contracts as State Diagrams
16:15 - 16:30	Djamel DOUHA	Towards a non monotonic agent testing, reasoning about messages and behavior

16:30-17:00	Coffee Break

	Paper Track 5: Natural Language Processing and Applications	
	Chair: Ali Jaoua , Azedine BOULMAKOUL	
	Presenter	Title
17:00 - 17:15	Ahammed Waseem Palliyali	Comparative Study of Extractive Text Summarization Techniques
17:15 - 17:30	Bilel Elayeb	Arabic Text Classification: A Literature Review

Thursday 2nd December 2021

	Paper Track 6: Artificial Intelligence & Cognitive Systems	
	Chair: Mahdi Zargayouna , Okba Kazar	
	Presenter	Title
09:30 - 09:45	Rahma Amri	A comparative study on the importance of each face part in facial gender recognition via convolutional neural networks
09:45 - 10:00	najemeddine abdennour	The importance of signal pre-processing for machine learning: The influence of Data scaling on a driver identification classification problem
10:00 - 10:15	Mohamed Salim Amri Sakhri	An Exact Algorithm for A Multi-Period Inventory Routing Problem with Lateral Transshipment

10:15 - 10:45	Coffee Break

	Paper Track 1: Information Retrieval, Big Data, Databases and Knowledge Systems	
	Chair: Hajji HICHAM, Jesus Tomas	
	Presenter	Title
10:45 - 11:00	Siham Khoussi	A combined effort between neural networks and statistical tests for data analysis and distribution fitting
11:00 - 11:15	Azzah Allahim	A hybrid approach for optimizing Arabic semantic query expansion
11:15 - 11:30	Fedia Ghedass	Modeling Big Data-centric Services using Knowledge Graphs
11:30 - 11:45	Dingchao Chen	On a Small File Merger for Fast Access and Modifiability of Small Files in HDFS
11:45 - 12:00	Damiao Almeida	Towards a Hybrid and Semantically Enriched Trajectory Data Warehouse
12:00 - 12:15	Ahmed Rabhi	Intermediate results processing for aggregated SPARQL queries

12:15 - 13:30	Lunch

	Keynote Speaker 3
13:30 - 14:30 AICCSA 2021	**Prof. ZAIDI Habib (Chair: Prof. Sandra Sendra Compte)**

14:30 - 15:00	Coffee Break

	Paper Track 7: Security, Privacy and Trust	
	Chair: Cristiano Miosso, Paulo Gondim	
	Presenter	Title
15:00 - 15:15	Roberto Nunes	A Conceptual Proposal of a Hybrid Method for Detecting Fraud in Civil and Military Service Entrance Examinations
15:15 - 15:30	Bacem Mbarek	A Real time Healthcare Tracking System based on Blockchain Application
15:30 - 15:45	Suleiman Yerima	Bot-IMG: A framework for image-based detection of Android botnets using machine learning
15:45 - 16:00	Asha S	Downsampling Attack on Automatic Speaker Authentication System
16:00 - 16:15	Amine Boulemtafes	PReDIHERO – Privacy-Preserving Remote Deep Learning Inference based on Homomorphic Encryption and Reversible
16:15 - 16:30	Daniah Hasan	SUBLµME: Secure Blockchain as a Service and Microservices-based Framework for IoT Environments
16:30 - 16:45	Sicong Shao	Multi-Layer Mapping of Cyberspace for Intrusion Detection

Friday 3rd December 2021

	Keynote Speaker 4
10:00 - 11:00 AICCSA 2021	**Prof. Sami Yangui (Chair: Prof. Jaime Lloret Mauri)**

11:00 - 11:15	Coffee Break

	Paper Track 10: Knowledge Management & Ontology engineering	
	Chair: Alessandro Adamou, Arkopaul Sarkar	
	Presenter	Titile
11:15 - 11:30	Andrea Cimmino	Supporting Demand-Response strategies with the DELTA ontology
11:30 - 11:45	Souha Bennani	Towards an adaptive gamification Model Based on Ontologies

11:45 - 12:15	**Paper Track 8: Social and Mobile Computing**

12:15 - 13:30	*Lunch*

Paper Track 11: Advances in Data Networks, Ad-Hoc Networks, Sensor Networks, VANETs, Internet of Things (IoT)

Chair: Albert Rego , Pascal Lorenz

	Presenter	Titile
13:30 - 13:45	karim fathallah	A Combined IoT-Enabled SensorDB and Spatial Query Framework for Smart Farming
13:45 - 14:00	Ayman Kayssi	Identifying NAT Devices to Detect Shadow IT: A Machine Learning Approach
14:00 - 14:15	RADIA BENDIMERAD	A Monitoring System and Faults Prediction for Internet of Things System

14:45 - 15:00	*Coffee Break*

15:00 - 16:00	AICCSA 2021	**Keynote Speaker 5 Dr. Mona Diab (Chair: Prof. Nadia Kabachi)**

16:00 - 17:00	AICCSA 2021	**Closing and Best Papers Awards Announcement**

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