Program of NCNETI'23

Day 1	Tuesday, October 3rd 2023
8:30 – 9:00	*Registration*
9:00 – 9:30	**OPENING CEREMONY**

	Plenary Conferences I
	Presidents: Pr. Hamid Seridi & Pr. Yacine Lafifi
9:30 – 10:15	Conference 1 (Online): **"From Artificial Intelligence towards ChatGPT"** **Pr. Okba Kazar** University of United Arab Emirates, Al Ain, Abu Dhabi, United Arab Emirates
10:15 – 11:00	Conference 2: **"How will Artificial Intelligence revolutionize E-learning?"** **Dr. Samia Drissi** University of Souk-Ahras
11:00 – 11:10	*Coffee break*

	Short Communications Session 1	
11:10 – 12:20	*Presential presentations: Hall Presidents: Dr. Houda Tadjer & Dr. Djalila Boughareb*	*Virtual presentations: Conference room Presidents: Dr. Khaled Halimi & Dr. Lynda Djakhdjakha*
11:10 – 11:20	**"An intelligent system to support the teaching of algorithms".** Ali Seridi. Yamina Bordjiba, Riad Bourbia, Aya Bouguern. *(Univ of Guelma)* **"Environment training to identify the image".** Abderrahman Mehellou , Benalia M'hamdi, Abderrahman Amari, Talal Giua. *(Univ of Djelfa)*	**"Analyse des mécanismes d'évaluation de la qualité de conception orientée objet ".** Mokhtaria Bouslama. *(Univ of Oran)*
11:20 – 11:30	**"Comparative Study Between Conventional and Metaheuristic MPPT Algorithms for Solar Applications Under Standard Testing Conditions".** Mederbel Ayoub, Khadraoui Mohammed, Sahraoui Kamel, Medles Mourad, Miloua Redouane Nakrela Abdelkader, Atouya Bouzidi. *(U. of Sidi Bel Abbes)* **"Assessment of Learners' Academic Performances using Learning Analytics Techniques."** Zohra Mehenaoui, Houda Tadjer, Yacine Lafifi, Rahma Zedadra. *(Univ of Guelma)*	**"Influencer detection in online social networks".** Halima Baabcha, Meriem Laifa, Samir Akhrouf. *(Univ of Bordj Bou Arreridj)*
11:30 – 11:40	**"USE of e-learning in architectural education field. Case study: students of department of architecture, Guelma's University."** Fatma Zohra Hafsi. *(Univ of Guelma)*	**"L'extraction automatique des entités nommées Spatiotemporelles basée sur les Règles JAPE."** Atmane Hadji, Rania Yacoub, Nadjla Melghid. *(Univ of Mila)*

	"Recommendation of Educational Resources based on Learners' Learning Styles." Safia Bendjebar, Lina Djihane Bordjiba, Yacine Lafifi. *(Univ of Guelma)*	
11:40 – 11:50	**"A concise overview of Bias and Unfairness in ML Models."** Djalila Boughareb, Hana Bordjiba, Hamid Seridi, Nadir Farah. *(Univ of Guelma)*	**"A Human-based Metaheuristic Algorithm for Large-scale Multi-objective Problems."** Aouadj Wafa, Seghir Rachid. *(Univ of Batna2)*
	"Towards an efficient Multi-Robots Search and Rescue strategy ". Ouarda Zedadra, Amina Zedadra, Douaa Ghelis. *(Univ of Guelma)*	
11:50 – 12:00	**"Détection des difficultés d'apprentissage dans un réseau social éducatif "** Amina Zedadra, Ouarda Zedadra, Hind Abidat. *(Univ of Guelma)*	**"H-infinity Control of Nonlinear Systems Using Non-Quadratic Lyapunov Functions An LMI approach."** Khalida Mimoune, Mohamed Yacine Hammoudi, Souri Mohamed Mimoune, Zahia Djeblahi. *(Univ of Biskra)*
	"A New Learner Model to Predict 'Slow Learners' Using Machine Learning." Rochdi Boudjehem, Yacine Lafifi *(Univ of Guelma)*	
12:00 – 12:10	**"An ontology-based questions-answering system to support learners in online learning environments."** Riad Bourbia, Samia Drissi, Yacine Lafifi. *(Univ of Guelma)*	**"Deep Supervised Hashing with Multiscale Feature Fusion (DSHMFF)."** Adil Redaoui, Kamel Belloulata. *(Univ of Sidi Bel Abbes)*
	"PREGO: Plateforme d'apprentissage collaborative favorisant le regroupement optimisé des apprenants." Mourad Hadjeris, Toufik Sari, Yacine Lafifi, Abdeldjalil Rouaissia. *(Univ of Annaba)*	
12:10 – 14:00	*Lunch*	
14:00 – 15:15	**Oral presentations Session 1 (Presential)** *Presidents: Pr. Zineddine Kouahla & Dr. Samia Drissi*	
14:00 – 14:15	**"Machine learning techniques for solar irradiance forecasting using different training datasets."** Radouane Nebili, Khaled Khelil, Farid Berrezzek, Lokmene Melalikia. *(Univ of Souk Ahras)*	
14:15 – 14:30	**"LSTM deep learning model for wind speed forecasting in the region of Adrar."** Melalkia lokmene, Berrezzek Farid, Khaled Khelil, Nebili Radouane. *(Univ of Souk Ahras)*	
14:30 – 14:45	**"Energy demand prediction using machine learning algorithms for home energy management."** Abderraouf Bouakkaz, Adel Lahsasna, Salim Haddad, Chaima Bensaci *(Univ of Skikda)*	
14:45 – 15:00	**"Anticipating Student Dropout in MOOCs based on Classification Predictive Model."**	

Time		
	Houssam Eddine Aouarib, Fatima Zohra Laallam, Salah Eddine Henouda. *(Univ of Ouargla)*	
15:00 – 15:15	**"Artificial Group Teaching Optimization Algorithm with Information Sharing for Li-Ion Battery parameters estimation."** Walid Merrouche, Badis Lekouaghet, Elouahab Bouguenna. *(Univ of Algiers)*	
15:15 – 15:30	*Coffee break*	
	Parallel virtual oral presentation sessions	
15:30 – 17:00	*Oral presentations Session 2 (Virtual session): Conference room* **Presidents: Dr. Ali Khebizi & Dr. Adel Benamira**	*Oral presentations Session 3 (Virtual session): e-Learning room* **Presidents: Pr. Mohamed Nemissi & Dr. Rochdi Boudjehem**
15:30 – 15:45	**"Enhancing Person Re-Identifcation through Tensor Feature Fusion."** Akram Abderraouf Gharbi, Ammar Chouchane, Mohcene Bessaoud, Abdelmalik Ouamane, El ouanas Belabbaci. *(Univ of Biskra)*	**"Dynamic Threshold-Based Suitability Approach for Energy-Efficient VM Migration in Cloud Environments."** Younes Khair. *(Univ of Bechar)*
15:45 – 16:00	**"A Powerfull Face Preprocessing For Robust Kinship Verification based Tensor Analyses."** Ammar Chouchane, Mohcene Bessaoudi. *(Univ of Biskra)*	**"Balanced exploration and exploitation properties of multi-objective Arithmetic Optimization Algorithm."** Farid Boumaza, Djaafar Zouache, Abou Elhassan Benyamina. *(Univ of Oran)*
16 :00 – 16:15	**"Ear recognition system based on multi-scale feature extraction technique."** Lebed Toufik, Boukharouba Abdelhak. *(Univ of Guelma)*	**"Fine-tuning CNNs for automated diagnosis of pneumonia from Chest X-rays."** Hayet Benbrahim1, Ali Behloul. *(Univ Batna 2)*
16:15 – 16:30	**"Multimodal 3D MRI Segmentation using dResU-Net for the detection of Brain Tumor".** Messaoud Hameurlaine. *(Univ of Tissemsilt)*	**"A hybrid genetic algorithm-interior point method for optimal sliding mode with MRAS speed estimation of double stator induction motor."** Azeddine Beghdadi, Othmane Boughazi, Abdelouahed Touhami, Zeynab Cherki. *(Univ of Bechar)*
16:30 – 16:45	**"Face Recognition Based On Transfer Learning: A Comparative Study."** Randa Nachet, Tarik Boudghene Stambouli. *(Univ of Oran)*	**"Using Edge Computing for Improving Healthcare in Smart Cities."** Laid Kenioua, Kamel Maaloul, Lejdel Brahim. *(Univ of El-Oued)*
16:45 – 17:00	**"A comprehensive Studies Between Maximum Power Peak using Stochastic Techniques for PV Systems under PSC."** Zahia Djeblahi, Belkacem Mahdad , Kamel Srairi *(Univ of Biskra)*	**"Large-Step GRU-DQN: A deep Reinforcement Learning Approach for Dynamic Vehicle Control in Intersections."** Rais Med Saber, Zouaidia Khouloud, Boudour Rachid, Bougueroua Lamine. *(Univ of Annaba)*

Day 2	Wednesday, October 4th 2023
8:30 – 9:00	*Registration*

	Plenary Conference II ***Presidents: Pr. Mohamed Nadjib Kouahla & Pr. Brahim Farou***

9:00 – 10:00	Conference 3 (Online) **"Connected Autonomous Systems: Opportunities and Challenges"** **Dr. Soufiene Djahel** University of Huddersfield, UK

10:00 – 11:00	**Oral presentations Session 4 (Presential)** ***Presidents: Dr. Karima Boussaha & Dr. Zohra Mehenaoui***
10:00 – 10:15	**"Formation automatique de groupes d'apprenants par une méthode de classification multi-label."** Noureddine Gouasmi, Lamia Mahnane, Yacine Lafifi, Randa Bounemra. *(Univ of Guelma)*
10:15 – 10:30	**"Arabic speech Augmentation for mispronunciation detection."** Meriem LOUNIS, Billel DENDANI, Halima Bahi. *(Univ of Annaba).*
10:30 – 10:45	**"A Gamification-based approach to improve the learners' engagement in online learning environments."** Souhila Zerdoudi, Houda Tadjer, Yacine Lafifi. *(Univ of Guelma)*
10:45 – 11:00	**"Adaptive grouping of learners in a CSCL environment."** Mourad Hadjeris, Toufik Sari, Yacine Lafifi. *(Univ of Annaba)*
11:00 – 11:10	*Coffee break*

	Short Communications Session 2	
11:10 – 11:50	***Presential presentations: Hall*** ***Presidents: Dr. Ali Seridi &*** ***Dr. Karima Benhamza***	***Virtual presentations: Conference room*** ***Presidents: Dr. Chemsennehar Bencheriet*** ***& Dr. Safia Bendjebar***
11:10 – 11:20	**"Un apprentissage personnalisé à base des annotations dans les MOOC."** Asma Boudria, Yacine Lafifi, A. Amine Samsar, Ghania Amrani *(Univ of Guelma)*	**"Optimization of 3D Design Processes with ChatGPT Technology".** Rachad Moumni, Idriss Benlaloui, Nadir Benalia1, Laroussi Kouider. *(Univ of Djelfa)*
	"Density-Based Overlapping Community Detection." Wafa Louafi, Faiza Titouna. *(Univ of Batna 2)*	
11:20 – 11:30	**"Using CNN and the probabilistic diffusion model for image superresolution."** Nadia Guerroui, Hind Boubidi, Hamid Seridi. *(Univ of Guelma)*	**"Commande Synergétique Terminale d'un Système Photovolaïque."** Khalissa Behih, Nadjat Zerroug, Ziyad Bouchama. *(Univ of Setif)*
	"From recognition to generation: facial expression transfer with StyleGan2". Yamina Bordjiba, Nabiha Azizi, Ali Seridi, Hayat Farida Merouani, Youcef Anis Dahlouk *(Univ of Guelma)*	
11:30 – 11:40	**"Towards an Approach for Improving Behavioral Engagement."** Houda Tadjer, Zohra Mehenaoui, Yacine Lafifi, Inès Gasmi. *(Univ of Guelma)*	**"Commande MPPT Optimale d'un Système Solaire Photovoltaïque."** Nadjat Zerroug, Khalissa Behih, Ziyad Bouchama. *(Univ of Setif)*

	"Privacy-preserving blockchain-based federated learning for Arrhythmia detection." Selma Aouamria, Djalila Boughareb, Mohammed Nemissi, and Hamid Seridi. *(Univ of Guelma)*	
11:40 – 11:50	**"Big Data: The Future of Analytics"** Fareh Fouzia (Univ of Guelma)	**"Study the influence of the choice of the Similarity Measures in the Recommendation System."** Djelloul Bettache, Nassim Dennouni. *(Univ of Chlef)*
	"Transforming Urban Living: The Impact of IT in Smart Cities - A Case Study Analysis" Fareh Fouzia (Univ of Guelma)	
	Parallel virtual oral presentation sessions	
11:50 – 12:35	*Oral presentations Session 5 (Virtual): Conference room* *Presidents: Dr. Ouarda Zedadra & Dr. Nadia Guerroui*	*Oral presentations Session 6 (Virtual): e-Learning room* *Presidents: Dr. Nadjette Benhamida & Dr. Amina Zedadra*
11:50 – 12:05	**"Enhancing The Performance of A Hybrid OCDMA/OFDM Optical System Incorporating A New Spectral Coding Block Via FSO Channel."** Mohamed Rahmani, Abdelhamid Cherifi, Ghoutia Naima Sabri. *(Univ of Bechar)*	**"Customised learning: Techniques and standards for adaptive e-learning."** Fateh Benkhalfallah, Mohamed Ridda Laouar. *(Univ of Tebessa)*
12:05 – 12:20	**"Towards A Greener Future: The Power of Renewables in Intelligent Energy Management".** Mohamed Salah Benkhalfallah, Sofia Kouah. *(Univ of Oum El Bouaghi)*	**"Détection Automatique Des Sentiments Dans Les Réseaux Sociaux à base de Gazetteer et les règles JAPE(Ligue des champions UEFA)."** Atmane Hadji, Ibrahim Bendaoud, Amine Boundja. *(Univ of Mila)*
12:20 – 12:35	**"Stereo SALM of mobile robot."** Zoulikha Bouhamatou. *(Univ of Batna2)*	**"A new solution for multimedia transmission over Internet of Things Environments."** Naziha Ali Saoucha. *(Univ of Algiers)*
12:35 – 12:45	**Closing ceremony**	
12:45 – 14:30	*Lunch*	