



University Mohamed Khider of Biskra
Faculty of Exact Sciences, Natural and Life
Sciences
Computer Science Department
In collaboration with
LESIA Laboratory



Organize

1st workshop on Advances in Deep Learning for Image and Immersive Technologies (ADL2IT)

10 - 12 October 2023 Biskra, Algeria

(Location: Visio conference room Computer science department)

1 st Day – 10 october 2023		
09:30 – 10:00	Opening ceremony	
10:00 – 11:00	1st invited speaker: Deep learning Keynote: Prof. Moussaoui Abdelouahab. Sétif 1 University	
11:00 – 11:30	Coffee break	
11:30 – 11:50	Parallelized Sequential Minimal Optimization for Enhanced Support Vector Clustering Efficiency	Drid Aboubakr Seddik & Djeflal Abdelhamid
11:50 – 12:10	A paradigm shift toward intelligent packet routing for mobile IoT networks using deep learning	Larouci Nour El Houda & Djeflal Abdelhamid
12:10 – 12:30	Deep Learning-Based Vehicle-to-Everything Communication for Beyond 5G Millimeter-Wave Vehicular Networks.	Benelmir Rima & Bitam Salim
12:30 - 14:30	Lunch break	
14:30 – 15:30	2nd invited speaker: Le Metaverse et Les Technologies Immersives. Concepts, Approches, Challenges et Impacts Socio-Économique. Keynote: Prof. Gharbi Rachid. Paris Saclay University	
15:30 – 16:00	Coffee break	
16:00 – 16:15	Human-Robot interaction using Brain Computer Interface Based on EEG signals	Nejia Boutarfaia & Tibermacine Ahmed
16:15 – 16:30	Brain computer interface integration: advancing speech recognition and human-computer interaction	Nada Boumerzouf & Tibermacine Ahmed
16:30 – 16:50	Enhancing Robot Navigation in Crowded Environments with Deep Reinforcement Learning	Ouamane Fatma Zohra & Cherif Foudil
16:50 – 17:10	Medical image steganography	Saidi Hadjer & Tibermacine Okba

2nd Day – 11 october 2023		
<u>08:30 – 09:30</u>	3rd invited speaker: L'informatique graphique pour la réalité virtuelle et augmentée. Keynote: Prof. Kadi Bouatouch. Rennes 1 University	
<u>09:30 – 09:50</u>	Hand pose estimation based on regression method from monocular RGB cameras for handling occlusion	Bekiri Roumaissa & Babahenini Mohamed Chaouki
<u>09:50 – 10:10</u>	The Effect Of Optimizers On CNN Architectures For Art Style Classification	Menai Baya Lina & Babahenini Mohamed Chaouki
<u>10:10 – 10:40</u>	Coffee break	
<u>10:40 – 11:00</u>	Etude de la fidélité du retour haptique pour l'apprentissage des gestes techniques dans les simulateurs en réalité virtuelle	Cherif Intissar & Chellali Amine & Otmane Samir & Babahenini Mohamed Chaouki
<u>11:00 – 11:20</u>	Automating Date Fruit Sorting: A Multi-Modal Fusion and Deep Learning Approach	Boumaaraf Ibtissam & Djeflal Abdelhamid
<u>11:20 – 11:40</u>	Sequential Pattern mining for electricity fraud detection	Lamamra Ahmed & Djeflal Abdelhamid
<u>11:40 – 12:00</u>	Random Pixel Selection through Image Cropping for Data Augmentation and Classification	Boudouh Nouara & Mokhtari Bilal
<u>12:00 – 14:30</u>	Lunch break	
<u>14:30 – 15:30</u>	4th invited speaker: Neural rendering from generative models to diffusion models Keynote: Dr. Abbas Fayçal. Khenchela University	
<u>15:30 – 16:00</u>	Coffee break	
<u>16:00 – 16:15</u>	Treating phobias using virtual reality techniques	Toukali Sabar & Cherif Foudil
<u>16:15 – 16:30</u>	Generative Adversarial Networks & Neural Rendering, is traditional rendering becoming obsolete	Bacha Yassine & Babahenini Mohamed Chaouki
<u>16:30 – 16:45</u>	Leveraging Blockchain Technology for Enhanced Security and Trust in the Internet of Things	Benboudina Lakhdar & Belouaar Hocine
3rd Day – 12 october 2023		
<u>08:30 – 09:30</u>	Virtual reality workshop (startup) Keynote: Pr Haffid Haffaf – Université Oran 1 Rafik Drissi. Startup Digi-Roots XR	
<u>09:30 – 09:50</u>	Enhancing Adversarial Examples Diversity through Population-Based Adversarial Training	Benchaira Djawhara & Cherif Foudil
<u>09:50 – 10:10</u>	New method for microscopy image segmentation using " Multi Scale Line Detection "	Haddar Fella & Djerou Leila
<u>10:10 – 10:40</u>	Coffee break	
<u>10:40 – 12:00</u>	Round table with doctoral and master students about Deep Learning for Image and Immersive Technologies	
<u>12:20 – 14:30</u>	Lunch break	
<u>14:30 – 17:00</u>	Social event	