


## NCNC 2021 Final Program

### Program At-a-Glance:

First Day: Saturday, May 29 <sup>th</sup> , 2021		
Morning activities	08:30 to 09:00	Opening Ceremony
	09:00 to 10:00	Keynote talk by <b>Prof. Elhadj Benkhelifa</b>
		 <p style="text-align: center;"><i>Title: “Going beyond Security and Towards more Resilient Computing”</i></p>
	10:00 to 10:15	Coffee break
	10:15 to 11:30	Session 1: Intelligent Systems and BigData Analytics
	11:30 to 12:15	Poster session
	12:15 to 13:30	Lunch break
Afternoon activities	Parallel Sessions	
	13:30 to 14:45	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">Session 2: Image Processing</div> <div style="text-align: center;">Session 3: Internet of Things and Self Organized Networking</div> </div>
	14:45 to 15:00	Coffee break
	15:00 to 17:00	Panel session on research tools, methodology, tips; and advice <b>by a number of professors from various Algerian Universities</b>
Evening	21:30 to 23:00	A scientific evening on: “Intelligence Artificielle, Machine Learning, Deep Learning: Une Histoire de Poupées Russes” <b>by Prof. Abdelouahab Moussaoui</b>
Second Day: Sunday, May 30 <sup>th</sup> , 2021		
Morning activities	09:00 to 10:00	Keynote talk by <b>Prof. Abderrahmane Lakas</b>
		 <p style="text-align: center;"><i>Title: TBA</i></p>
	10:00 to 10:15	Coffee break
	10:15 to 11:30	Session 4: Advanced Machine Learning techniques and applications
	11:30 to 12:15	Poster session
	12:15 to 17:00	Lunch, social event, and closing ceremony

## Detailed program:

Session 1	Topics: Intelligent Systems and BigData Analytics	Chair: TBA	Date and Time: Saturday May 29th 10:15 to 11:30
	<p>1) « A new evidential approach handling uncertainty in Recommender Systems » By: <i>Khadidja Belmessous, Faouzi Sebbak, Mataoui M'Hamed and Walid Cherifi</i></p> <p>2) « Two-stage robust ASR system in noisy environments » By : <i>Amrous Anissa Imene, El-Taani Imene and Debyeche Mohamed</i></p> <p>3) « MPMVO: A multi-population Multiverse optimization algorithm for attributes selection problem » By : <i>Bilal Benmessahel</i></p> <p>4) « Multidimensional Analysis on COVID-19 TwitterData » By : <i>Islam Sadat and Kamel Boukhalfa</i></p> <p>5) « Dealing with the partitioning problem of mobile Ad hoc networks for resources sharing algorithm » By : <i>Tahar Allaoui</i></p>		
Session 2	Topics: Image Processing	Chair: TBA	Date and Time: Saturday May 29th 13:30 to 14:45
	<p>1) « Image denoising using a nonlinear partial differential equation (PDE) » By: <i>Nacira Diffellah, Rabah Hamdini, Tewfik Bekkouche and Salah Mokhnache</i></p> <p>2) « Image and Video Annotation: A survey » By : <i>Lakhdar Laib and Mohand Said Allili</i></p> <p>3) « A Human Skin Detection Rule Based Method in CMYK Color Space » By : <i>Abdelkrim Sahnoune, Djamila Dahmani and Saliha Aouat</i></p> <p>4) « Image Denoising based Wavelet Thresholding Techniques using different types of noise» By : <i>Nasser Edinne Benhassine, Boukaache Abdelnour, Djalil Boudjehem and Mohamed Rouis</i></p> <p>5) « OCR for Scene Photos Text Detection » By : <i>Habiba Ben Abderrahmane, Wahiba Ben Djeddou and Slimane Bellaouar.</i></p>		
Session 3	Topics: Internet of Things and Self Organized Networking	Chair: TBA	Date and Time: Saturday May 29th 13:30 to 14:45
	<p>1) « Un protocole de service de localisation réaliste par élargissement de la zone de couverture dans les réseaux VANets » By : <i>Sara Benkouider, Massilia Hamdis, Nousra Bennaoui, Nasreddine Lagraa and Mohamed Bachir Yagoubi</i></p> <p>2) «On Broadcasting in the Internet of Things» By : <i>Djahida Ali-Fedila and Mohamed Ould-Khaoua</i></p>		

	<p>3) «Propagation Models in Vehicular Ad Hoc Networks: A Review» By : <i>Abdelkader Ralem Ahmed and Mohamed Ould Khaoua</i></p> <p>4) «Advanced study of multi-source streaming protocol in vehicle networks» By : <i>Yamina Djoudi</i></p> <p>5) « Application of M2M Communication based on ZigBee to Control Smart home automation» By : <i>Rania Djehaiche and Salih Aidel</i></p>		
Session 4	<p>Topics: Advanced Machine Learning techniques and applications</p>	<p>Chair: TBA</p>	<p>Date and Time: Saturday May 30th 10:15 to 11:30</p>
	<p>1) « Text-Captcha Breaking without Segmentation using Deep Learning » By: <i>Slimane Oulad-Naoui, Khadidja Mettas and Maissa-Fatna Rai</i></p> <p>2) « A Three Layers Deep Architecture- based Road Traffic Forecasting environments » By : <i>Redouane Benabdallah Benarmas and Kadda Beghdad Bey</i></p> <p>3) « Méthode d'extraction de caractéristiques EEG basée sur l'énergie de la décomposition de paquets d'ondelettes pour L'Interface Cerveau Machine» By : <i>Kheira Djelloul and Abdelkader Nasreddine Belkacem</i></p> <p>4) « Towards New Heuristic Detectors for Road Surface Monitoring using Smartphone Sensors » By : <i>Chibani Nouredine, Sebbak Faouz, Cherifi Walid and Belmessous Khadidja</i></p> <p>5) « An approach to weight scholarly documents » By : <i>Mohammed Aymen Ali Taleb and Imène Saidi</i></p>		
Poster Session	<p>It will be held during both 29<sup>th</sup> and 30<sup>th</sup> of May 2021 in parallel with all conference activities and in exclusively in both days between 11:30 and 12:15</p>		
	<p>1) « A method for developping IP using in SoC » By: <i>Benabdallah Ahcene Youcef and Boudour Rachid</i></p> <p>2) «L'utilisation de l'imagerie pour la gestion de la route et la sécurité routière» By : <i>Madi Leila, Ben Abdalah Hesén and Guersi Guersi</i></p> <p>3) «Evaluation of color features for content-based image retrieval» By : <i>Mohamed Ben Bezziane and Oussama Aiadi</i></p> <p>4) «Machine Learning Against Statistics to Detect Faults in WBANS (Wireless Body Area Networks) in Healthcare » By : <i>Mohamed Bahache, Abdou El Karim Tahari, Nasreddine Lagraa and Chaker Abdelaziz Kerrache.</i></p> <p>5) « A Comprehensive Survey on Cloud and Internet of Things for Smart Healthcare System » By : <i>Hameurlaine Messaoud, Safa Benaissa and Hamdani Mustapha</i></p>		