جامعة الشهيد حمه لخضر

The First International Conference on Communications, Control Systems and Signal Processing (CCSSP 2020)

16-17 March 2020, El-Oued , Algeria

Conference Program

CCSSP 2020

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Fekik Arezki University of Bouira, Ageria
Redouane kara University of Tizi Ouzou,

keynote speakers

✓**Habib Zaidi, Geneva University Hospital, Switzerland**
✓ **Monji Kherallah,** Sfax University, Tunisia
✓**Abdeldjalil Ouahabi, University of Tours, France**
✓**Jalel Ben Othman ,University of Paris 13, France**

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The First IEEE International Conference on Communications,
Control Systems and Signal Processing
16-17 March 2020 El-Oued, Algeria

Conference Program

CCSSP 2020
International Conference on Communications, Control Systems and Signal Processing

	Sunday, March 15th, 2020 – Welcoming participants and check in from 15h:00					
	Monday, March 16th					
08:30-08:45	**Opening ceremony**					
08:45-09:30	**Plenary Lecture I : Pr. Habib Zaidi** *Geneva University Hospital, Switzerland,* **Innovations in multimodality imaging in the era of precision medicin**				**Chairman** Pr. Abdeldjalil Ouahabi	
09:30-10:30	*Coffee Break + Poster Session I* *Chairs*: Pr A. Taleb Ahmed, Pr. Jalel Ben Othman, Dr. Abderrahim Allal, Dr. Ahmed C. Megherbi, Dr. Hassina Megherbi, Pr Salim Sbaa and Pr. Youcef Ferdi Pr. Kamal Srairi, Dr. Meftah Elhadi, Dr. Salim Abdeesselem, Dr. Naima BAHI, Dr. Azeddine Benlamoudi, Dr. Abdelkader Laouid **ID: 164, 155, 85, 66, 235, 07, 231, 10, 237, 211, 158,** *138, 122, 82, 80,* **78, 77, 75, 67, 57, 38, 22, 06, 02, 153, 182, 195, 223, 100, 263, 99, 135, 184**					

Oral Session I

	ROOM "A"		ROOM "B"		ROOM "C"	
10h30-12h30	**Session:Wireless and Network Communications** *Chairs*: Pr. Iyad Dayoub, Dr. Meftah Elhadi, Dr. Salim Abdeesselem		**Session: Electrical Power Systems** *Chairs*: Pr Said Drid, Pr. Kamal Srairi and Pr Naimi Djemai		**Session: : Image and Signal processing** *Chairs*: Pr. Habib Zaidi, Pr Youcef Ferdi and Pr. Monji Kherallah	
	ID	**Participant**	**ID**	**Participant**	**ID**	**Participant**
10:30	49	Ibrahim Kakouche	256	Riyadh Bouddou	104	Oussama Guehairia
10:50	101	Nabila Mahmoud Bacha	93	Abdelkader Bouderbala	271	Mustapha Benssalah
11:10	109	Azeddine Kaddouri	107	Saddam Bensaoucha	193	Mohamed Y. Benzian
11:30	64	Abdelmalek Reddaf	124	Abdenebi Rouigueb	217	Sabrina Aiouez Bouzar
11:50	33	Slimane Benmahmoud	128	Amina Djaborrebi	29	Djemai Charef-Khodja
12:10	126	Abdelhafid Jouini	157	Yasmine Amara	37	Zineb Kaoudja
12:30	270	Achour Ales	229	Miloudi Houcine	248	Ryma Benabdelaziz
12:50-13:50	**Lunch**					

	Evening program of Monday, March 16th					
13:50-14:35	**Plenary Lecture II : Pr. Jalel Ben Othman** *University of Paris 13, France* **Threats and solutions for next generation connected vehicles to cyberspace**				**Chairman** Pr. Abdelmalik Taleb-Ahmed	
14:35-14:50	*Coffee Break*					
14h50-16h50	*Oral Session II*					
	ROOM "A" **Session: Control Systems** *Chairs*: Pr. Mohamed Djemai, Pr. Mohamed Boumehraz and Dr Chelihi Abdelghani		**ROOM "B"** **Session : Electrical Power Systems** *Chairs*: Pr. Said Drid, Dr. Talal Guia and Pr. Salim Sbaa, Dr. Ismail Laib		**ROOM "C"** **Session : Image and Signal processing** *Chairs*: Pr.Ouafi Abdelkrim, Dr. Djamel Samai and Pr. Baarir Zine-Eddine	
	ID	**Participant**	**ID**	**Participant**	**ID**	**Participant**
14:50	141	**Mohammed Said**	137	**Djalila Belkebir**	171	**Hammou Djalal Rafik**
15:10	84	**Khaled Ameur**	149	**Zakaria Lammouchi**	112	**Mohamed L. Bouibed**
15:30	108	**Azeddine Kaddouri**	179	**Wissem Slimane**	15	**Noureddine Cherabit**
15:50	130	**Houcine Sayaf**	189	**Farid Berrezzek**	47	**Mohamed Salah Azzaz**
16:10	210	**Djamel Eddine Touil**	206	**Moussa Belgacem**	146	**Chayma Zatout**
16:30	191	**Lemya Guettal**	139	**Ikram Boucetta**	151	**Farid Hammou**
16:50	205	**KAHLA Sami**	260	**Youssef Rehouma**	166	**Farah Ibelaiden**
16:50-17:35	**Plenary Lecture III: Pr. Abdeljalil Ouahabi** *Polytechnic University of Hauts-de-France, Valenciennes, France* **Advances in intelligent signal and image processing**				**Chairman** Pr Youcef Ferdi	
20:00	**Dinner**					

	Tuesday, March 17th	
08:30-09:15	**Plenary Lecture IV: Pr. _Monji Kherallah** _Sfax University, Tunisia_ **Artificial Intelligence vs. Deep Learning Process**	**Chairman** Pr. Said Drid

	Coffee Break + Poster Session II
09:15-10:15	_Chairs_: Pr Abdeldjalil Ouahabi, Pr Iyad Dayoub, Dr. Youcef Bekakra, Pr. Salim Sbaa, Dr. Azeddine Benlamoudi and Dr. Ismail Laib, Pr. Kamal Srairi, Dr. Athmane Zitouni, Pr.Ouafi Abdelkrim, Dr. Naima Bahi, Pr Naimi Djemai, Dr. Meftah Elhadi, Dr. Salim Abdeesselem **ID: 220, 253, 265, 266, 273, 274, 276, 277, 11, 52, 106, 156, 12, 133, 140, 269, 280, 228, 222, 216, 268, 54, 81, 30, 113, 144, 172, 201, 230, 258, 143, 169, 214**

	Oral Session III			
10:15-11:55	**ROOM "A"** **Session: Wireless and Network Communications** **Chairs**: Pr. Jalel Ben Othman, _Pr. Mohamed Djemai_ Pr.Ferhat Rehouma and Dr. Slimane Benmahmoud		**ROOM "B"** **Session: Computer Engineering** _Chairs_: Pr Okba Kazar, Soheyb Ayad, Pr. Monji Kherallah and Dr. Abdelkader Laouid	

	ID	**Participant**	**ID**	**Participant**
10:15	30	Abdelbasset Bedda Zekri	90	Masmoudi Mostefa
10:35	125	Narimane Hadjadji	102	Kamel Messaoudi
10:55	202	Mohammed Boulesbaa	123	Fethi Demim
11:15	116	Meftah Elhadi	127	Atef Bentahar
11:35	148	Hamadouche Hadjira	161	benlamoudi azeddine
11:55	186	Mohammed-El-Fateh Hathat	163	Azeddine Kaddouri
12:00-13:00	**Lunch**			
13:00-13:45	**Closing ceremony of CCSSP 2020** _Chairs_: Dr Riadh Ajgou, Pr Abdelmalik Taleb Ahmed and Pr Abdeldjalil Ouahabi			

(Wisdom: Time management is the key to a successful work) - Please be always on time

Poster Session I: 09:30-10:30 (Monday, March 16th)

Chairs: Pr A. Taleb Ahmed, Pr. Jalel Ben Othman, Dr. Abderrahim Allal, Dr. Ahmed C. Megherbi, Dr. Hassina Megherbi, Pr Salim Sbaa and Pr. Youcef Ferdi Pr. Kamal Srairi, Dr. Meftah Elhadi, Dr. Salim Abdeesselem, Dr. Naima BAHI, Dr. Azeddine Benlamoudi, Dr. Abdelkader Laouid

PI.1. ID164. Fatiha Louiz and Abdelkrim Kamel Oudjida.   *A Comparison between RADIX-2r Recoding and Hosangadi's Heuristic*
PI.2. ID155. Khaled Khelil, Farid Berrezzek and Tahar Bouadjila.   *DWT-based Wind Speed Forecasting Using Artificial Neural Networks in the region of Annaba*
PI.3. ID85. Naouel Arab, *Hassiba Nemmour and Youcef Chibani.*   *Improved Multi-Scale Local Difference Features for Off-Line Handwritten Signature Verification*
PI.4. ID66. Labiad Abdelhadi, *Khedidja Bouras and Mouloud Bouzouad.*   *Metamaterial-Based Reconfigurable Antenna for RADAR Applications*
PI.5. ID235. Benaoumeur Ibari, Kamel Bouzgou, Redouane Ayad, Laredj Benchikh, Zoubir Ahmed-Foitih and Menouer Bennaoum.   *Augmented Reality Environment for the trajectory tracking of mobile robot*
PI.6. ID07. Hichem Felouat and Saliha Oukid-Khouas.   *Graph Convolutional Networks and Functional Connectivity for Identification of Autism Spectrum Disorder*
PI.7. ID231. Djelloul Mazouz Lakhdar, Meche Abdelkrim and Dahmani Mohamed.   *Optimisation of the implementations in fixed and floating point of tracking algorithm on DSP of C6000 of TI's familly*
PI.8. ID10. Rachid Bekhouche, Farid Khoucha, Abdeldjabar Benrabah, Khelifa Benmansour and Mohamed Benbouzid.   *Comparison of PWM Techniques for Modular Multilevel Converter :A Comparison Based on Different Voltage Level Waveforms*
PI.9. ID237. Mohammed Arif and Khaled Kerbouche.   *Developed Text-Independent Speaker Verification System*
PI.10. ID211. Benouis Mohamed and Meryem Regouid.   *Shifted 1D-LBP based ear recognition system*
PI.11. ID158. Talit Belhoul, Rabah Boudissa, Nawal Bouatia, Klaus Dieter Haim and Stefan Kornhuber.   *Modeling the Dynamic Behavior of Contamination on Barrier Surface under a High AC Electrical Field*
PI.12. ID138. Berghout Tarek, Mouss Leila Hayet, Kadri Ouahab and Hadjidj Nadjiha.   *Regularized Length Changeable Extreme Learning Machine with Incremental Learning Enhancements for Remaining Useful Life Prediction of Aircraft Engines*

PI.13. ID122. Ghouthi Abdellaoui, Hicham Megnafi and Fethi Tarik Bendimerad.   *A novel model using Reo for IoT self-configuration system*
PI.14. ID82. Mohamed Boutoubat, Soufiane Marmouh and Aboubakeur Hadjaissa.   *Grid connected WECS control for power production and power factor correction*
PI.15. ID80. Bilel Aichi and Khedidja Kendouci.   Robust and Stable Speed Control Design Using the Variable Gains Backstepping Technique for High-Efficiency Three-Phase Induction Motor Drives
PI.16. ID78 Said Gadri.   *Traffic Signs Recognition Based on CNN Model for the use of Autonomous Cars*
PI.17. ID77. Tarek Cherifi, Latifa Hamami-Metiche and Slimane Kerrouchi.   Comparative study between super-resolution based on polynomial interpolations and Whittaker filtering interpolations
PI.18. ID75. Roumiassa Ferhat and Fatma Zohra Chelali.   *Speaker Identification and Verification System for Arabic and Berber Language*
PI.19 ID67. Elyes Garoudja, Walid Filali and Slimane Oussalah.   *Modeling the irradiance dependency of photovoltaic modules using Artificial Neural Network*
PI.20 ID57. Mouna Kenoui and Mohamed Ait Mehdi.   Teach-Me DNA : an Interactive Course Using Voice Output in an Augmented Reality System
PI.21 ID38. Yamina Bekri.   *2D-FEM Characterization and Design of Inhomogeneous Coupled Cylindrical Microstrip Line for Microwave Applications*
PI.22 ID22. Abdelkader Boukhobza, Messaoud Hettiri, Abdelmalik Taleb-Ahmed and Abdennacer Bounoua.   A comparative study between compressive sensing method and conventional speech conding methods
PI.23 ID06. Mohamed Abdelghani Benziada, Ahmed Boubakeur and Abdelouahab Mekhaldi.   Effect of non-uniform pollution on the Electric Field Distribution of a Point-Barrier-Plane Air Gaps using COMSOL Multiphysics
PI.24. ID02. Abdelghani Chahmi and Mouhoub Birane.   *Detection of Electrical Faults by the Time-Frequency Approach*
PI.25. ID153. Lounas Belhimer.   *Modeling of Electromagnetic Interference In Graphene Interconnects*
PI.26. ID182. Lila Meddeber, Tarik Zouagui and Nasreddine Berrached.   *An improved registration and mosaicking method for remote sensing images under geometric and photometric constraints*

PI.27: ID195. Mohand Moktefi, Mohand Yazid and Louiza Bouallouche-Medjkoune. *Multichannel Access Control in the IEEE 802.11ad WiGig Networks: Proposal and Analytical Analysis*
PI.28: ID223. Bachir Bendjedia. Improved Fuzzy Logic Control of PV/Battery system for Solar Electric Vehicle Applications
PI.29 . ID100. Abdelmalik Belarbi and Abdelkader Hamdoune. *GaN/InxGa1-xN/B0.01Ga0.99N Double Heterojunction Field Effect Transistor DH-FET for electronics power application*
PI.30. ID263. Saied Boumediene, Nasri Abdelfatah, Tedjini Hamza and Chergui Hicham. *Power Supply Multisource Solar/Battery For Electric Scooter*
PI.31.ID99. Hussem Eddine Adjerid, Youcef Remram and Mokhtar Attari *Development of an electronic system for the control of climatic parameters in a phytotron*
PI.32. ID135. Hossam Eddine Glida, Abdelghani Chelihi, Latifa Abdou and Chouki Sentouh. *Disturbance Observer-based Optimal Backstepping Controller for an Attitude Quadrotor Helicopter*
PI33. ID184. Younes Tamissa, Farid Kadri, Fella Charif and Abderrazak Benchabane. *Neural Fault Diagnosis Method for Voltage Source Inverter with a Neural Direct Torque Control of Induction Motor*

Oral Session I: 10:30-12:30 (Monday, March 16th)

	Oral Session I: Wireless and Network Communications (Room A) *Chairs*: Pr. Iyad Dayoub, Dr. Meftah Elhadi, Dr. Salim Abdeesselem	Oral Session I: Electrical Power Systems (Room B) *Chairs*: Pr Said Drid, Pr. Kamal Srairi and Pr Naimi Djemai
10:30	ID49.Ibrahim Kakouche, Mohamed Salah Azzaz, Abdelmadjid Maali, Amar Mesloub, Mohamed Saad and Djemal *Respiration Rate Estimation Using IR-UWB Radar Based on the Second Maximum Eigenvalues*	ID256. Riyadh Bouddou, Farid Benhamida, Amine Zeggai, Moussa Belgacem and Khatir Mohamed. *Optimal Power Flow in a Competitive Electricity Market Incorporating Wind Power Generation*
10:50	ID101. Lamya Fergani, Adel Zier and Nabila Mahmoud Bacha. *Localization using UWB technology in N-LOS conditions*	ID93. Abdelkader Bouderbala, Boubakeur Zegnini, Tahar Seghier and Yahia Saadaoui. *Implentation and Design of Grounding Systems Using COMSOL multiphysics*
11:10	ID109. Jihen Souifi, Yassine Bouslimani, Mohsen Ghribi, Tobie Boutot, Azeddine Kaddouri and Hssan Hadj Abdallah. *Smart Home Architecture based on LoRa Wireless Connectivity and LoRaWAN® Networking Protocol*	ID107. Saddam Bensaoucha, Sid Ahmed Bessedik, Aissa Ameur, Sandrine Moreau and Ali Teta. *A Comparative Study for Broken Rotor Bars Fault Detection in Induction Machine using DWT and MUSIC techniques*
11:30	ID64. Abdelmalek Reddaf, Fatima Djerfaf, Mounir Boudjerda, Khaled Hamdi-Cherif and Hichem Amar. *New Based-GPR Model for FGCPW Coplanar Waveguide Analysis*	ID124. Fethi Demim, Abdenebi Rouigueb, Souhila Benmansour, Abdelkrim Nemra, Mohamed Maiza and Abdelkader Mosbah. *Analysis Strategy for Gearbox Fault Diagnosis based on Support Vector Machine*
11:50	ID33. Slimane Benmahmoud *Dual-hop Blind Amplify-and-Forward Relaying over Asymmetric Fading Channels.*	ID133. Abdelhalim Arif, Youcef Bekakra, Djilani Ben Attous and Hazem Bakini. *Comparative Study between Indirect Power Control and Sliding Mode Control with SVPWM for DFIG Driven by Wind Turbine*
12:10	ID126. Abdelhafid Jouini, Abdelmadjid Maali, Geneviève Baudoin, M'Hamed Hamadouche, Abdelhak Nasrallah and Mustapha Benssalah. *Adaptive Acquisition of PN Code using Automatic Censoring CFAR Outlier Detection in Multipath Fading Mobile Channels*	ID157. Yasmine Amara, Rafik Bradai, Rachid Boukenoui and Adel Mellit. *Management of Hybrid PV/Battery Stand-alone System under Partial Shading Conditions*
12:30	ID270. Achour Ales, *Fateh Beggat and Ali Chemsa.* *Analytical and Experimental Modeling of the Network Using the Multi-Conductor Transmission Line Method*	ID229. Gourbi Abdelkader, Miloudi Mohamed, Miloudi Houcine, Brahami Mostefa and Zemalache Kada Meguenni. *Study and Analyze of a Hybrid Photovoltaic System for Electrical Energy Supply*

	Oral Session I: : Image and Signal processing (Room C)
	Chairs: Pr. Habib Zaidi, Pr Youcef Ferdi and Pr. Monji Kherallah
10:30	ID104. Oussama Guehairia, Abdelmalik Ouamane, Abdelmalik Taleb-Ahmed and Fadi Dornaika.

Deep Random Forest for Extending Feature Vectors for Facial Age Estimation Based on Face Images. |
| **10:50** | ID271. Mustapha Benssalah and Yasser Rhaskali.

A Secure DICOM Image Encryption Scheme Based on ECC, Linear Cryptography and Chaos |
| **11:10** | ID193.Mohamed Yaghmorasan Benzian *and Nacéra Benamrane.*

3D Mesh Segmentation by Region Growing based on Discrete Curvature |
| **11:30** | ID217. Sabrina Aiouez Bouzar, *Feryel Souami and Khadidja Belattar.*

High-level image representation-based on Gestalt theory for image classification |
| **11:50** | ID29. Djemai Charef-Khodja, Abida Toumi, Salim Sbaa and Saadia Medouakh.

Robust visual tracking method based on Harris Hawks algorithm |
| **12:10** | ID37. Zineb Kaoudja, Belal Khaldi and Mohammed Lamine Kherfi.

Arabic Artistic Script Style Identification Using Texture Descriptors. |
| **12:30** | ID248. Ryma Benabdelaziz, Djamel Gaceb and Mohammed Haddad.

Word-Spotting Approach Using Transfer Deep Learning of a CNN Network |

Oral Session II: 14h50-16h50 (Monday, March 16th)

	Oral Session II: Control Systems (Room A) *Chairs*: Pr. Mohamed Djemai, Pr. Mohamed Boumehraz and Dr Chelihi Abdelghani	Oral Session II : Electrical Power Systems (Room B) *Chairs*: Pr. Said Drid, Dr. Talal Guia and Pr. Salim Sbaa,
14:50	ID141. Mohamed El Amine Slimani, Rabah Sellami, Mohammed Said and Billel Boumaaraf *Experimental and Numerical Simulation of a Combined Solar PV/Thermal Device with two Mechanical Pre-Control Systems*	ID137. Djalila Belkebir, Fateh Boutekkouk, Adel Zga, Meriem Benazia, Kemassi Imane and Hanane Azzaoui. *Physical and System Levels Power Reduction Technique Based NoC Architecture : Survey of the State of the Art*
15:10	ID84. Khaled Ameur, Hadjaissa Aboubakeur, Nabil Abouchabana and Abdelhamid Rabehi. *Design of a robust PID controller used in PV systems*	ID149. Zakaria Lammouchi and Youcef Bekakra. *Predictive Direct Power Control for photovoltaic Grid Connected System with Reduction of Switching Frequency*
15:30	ID108. Ramzi Mehrez, Yassine Bouslimani, Mohsen Ghribi, Azeddine Kaddouri, *Eya Affes and Ibrahim Kadri. Location and Vision Techniques to Control a KUKA KR6 R900 Sixx Robot Arm*	ID179. Wissem Slimane, Mohamed Toufik Benchouia, Amar Golea and Said Drid. *Power Maximisation of a Variable Speed Wind Energy Conversion System Based on a Double Fed Induction Generator Connected to the Grid*
15:50	ID130. Houcine Sayaf, Katia Kouzi, Islam Benhamida and A. Cheknane *On the improvement of Vector Control of PMSM drive: Robust Backstepping Control Approach*	ID189. Farid Berrezzek, Khaled Khelil and Taher Bouadjila. *Efficient MPPT scheme for a photovoltaic generator using neural network*
16:10	ID210. Khelil Sidi Brahim, Nadjiba Terki and Djamel Eddine Touil. *Robust Altitude and Attitude Model Free Control for a Microcoaxial Helicopter*	ID206. Moussa Belgacem, Mohamed Khatir, Mohammed Abdeldjalil Djehaf, Riyadh Bouddou and Farid Benhamida. *Comparison Between Master Slave and Voltage Droop Controllers for Multi-Terminal VSC-HVDC under Steady State and Faulted Conditions*
16:30	ID191. Lemya Guettal, Abdelghani Chelihi, Mostefa Mohamed Touba, Hossam-Eddine Glida and Riadh Ajgou. *Neural Network-based Adaptive Backstepping Controller for UAV Quadrotor system*	ID 139. Ikram Boucetta, Djemai Naimi, Ahmed Salhi and Laid Zellouma *Water Cycle Algorithm Applied to Improve Transient Power System Stability*
16:50	ID205. Badreddine Babes, Noureddine Hamouda, Amar Boutaghane, Sami Kahla and Mohamed Mezaache. *Optimal Tuning of PIλDµ Controller for PMDC Motor Speed Control Using Ant Colony Optimization Algorithm for Enhancing Robustness of WFSs*	ID260. Youssef Rehouma, Zoheir Tir, Abdelmalek Gacem, Ferhat Rehouma, Mohamed Assaad Hamida Assaad Hamida and Abdel Moumen Gougui. *Comparison Study between Improved JAYA and Particle Swarm Optimization PSO Algorithms for Parameter Extraction of Photovoltaic Module based on Experimental Test*

	Oral Session II : Image and Signal processing (Room C) *Chairs*: Pr.Ouafi Abdelkrim, Dr. Djamel Samai and Pr. Baarir Zine-Eddine
14:50	ID171. Hammou Djalal Rafik and Mechab Boubaker. *Application of metaheuristic for optimization of iris image segmentation by using evaluation Hough transform and methods Daugman*
15:10	ID112. Mohamed Lamine Bouibed, Hassiba Nemmour, Sara Derdouche, Asma Leslous and Youcef Chibani. *Score Level Fusion for Improving Writer Retrieval in Handwritten Document Databases*
15:30	ID15. Noureddine Cherabit, Amar Djeradi and Fatma Zohra Chelali. *Facial motion analysis using template matching*
15:50	ID47. Mohamed Salah Azzaz, Abdelmadjid Maali, Redouane Kaibou, Ibrahim Kakouche, Mohamed Saad and Hocine Hamil. *FPGA HW/SW Codesign Approach for Real-time Image Processing Using HLS*
16:10	ID146. Chayma Zatout and Slimane Larabi. *A Novel Output Device for visually impaired and blind people's aid systems*
16:30	ID151. Farid Hammou and Kamal Hammouche. *An improved Particle Swarm Optimization algorithm towards IIR system identification*
16:50	ID166. Farah Ibelaiden, Brahim Sayah and Slimane Larabi. *Scene Descriptor from Depth Images for Visually Positioning*

Poster Session II: 09:15-10:15 (Tuesday, March 17th)

Chairs: Pr Abdeldjalil Ouahabi, Pr Iyad Dayoub, Dr. Youcef Bekakra, Pr. Salim Sbaa, Dr. Azeddine Benlamoudi and Dr. Ismail Laib, Pr. Kamal Srairi, Dr. Athmane Zitouni, Pr.Ouafi Abdelkrim, Dr. Naima Bahi, Pr Naimi Djemai, Dr. Meftah Elhadi, Dr. Salim Abdeesselem

PII.1 : ID220. Oussama Bouaiss, Raihane Mechegoug and Riadh Ajgou.   *Modelling, Control and Simulation of Quadrotor UAV*
PII.2. ID253. Lemya Guettal, Abdelghani Chelihi, Mostefa Mohamed Touba, Hossam-Eddine Glida and Riadh Ajgou.   *Adaptive Fuzzy-Chebyshev Network-based Continuous Sliding Mode Controller for Quadrotor Unmanned Aerial Vehicle*
PII.3. ID265. Slimane Touil and Djilani Ben Attous.   *Improvement of power system stabilizer using fuzzy logic controller*
PII.4. ID266. Idriss Baba Arbi.   *Robust PMSM Direct Torque Control based on Fuzzy Sliding Mode Control*
PII.5. ID273. Boualem Merainani, Abir Amar Bouzid, Azeddine Ratni and Djamel Benazzouz   *Detection of bearing fault using Empirical Wavelet Transform and S Transform methods*
PII.6. ID274. Mohamed Saad, Abdelmadjid Maali, Mohamed Salah Azzaz and Ibrahim Kakouche.   *An Experimental Platform of Impulse UWB Radar for Through-Wall Imaging based on FPGA*
PII.7. ID276. Tarek Zouache and Abdesselam Hocini.   *Micro displacement measurement using dual micro cavity two dimensional silicon photonic crystal*
PII.8. ID277.Abderahmane Abid, Laid Zellouma, Mansour Bouzidi, Abderezak Lashab and Rabhi Boualaga.   *Switched Inductor Z-source/quasi Z-source Network: State of Art and Challenges*
PII.9. ID11. Mohamed Salah Bouaouina, Mohamed Redha Lebbal, Touraya Bouchemat and Mohamed Bouchemat.   All-optical NOT/OR/XOR logic gates based on photonic crystal with low response time and high contrast ratio
PII. 10. ID52. Khaoula Menfoukh, Mostefa Mohamed Touba, Fouad Khenfri and Lemya Guettal.   *Optimized Convolutional Neural Network architecture for UAV navigation within unstructured trail*
PII. 11. ID106. Bellal Hafhouf, Athmane Zitouni, Ahmed Chaouki Megherbi and Salim Sbaa.   *A Modified U-Net for Skin Lesion Segmentation*
PII. 12. ID156. *Zoheir Mentouri, Hakim Doghmane, Abdelkrim Moussaoui and Djalil Boudjehem.*   *Surface Flaw Classification Based on Dual Cross Pattern*
PII.13.ID12. Maxime Thériault, Raoul Irakoze, Azeddine Kaddouri, Amor Ounissi, Yassine Bouslimani and Mohsen Ghribi.   *IdPiezo: An Interactive Tool for Piezoelectric Actuator Parameters Identification and control*
PII.14. ID128. Amina Djaborrebi,Boubakeur Zegnini, Tahar Seghier and D. Mahi.   *Evaluation and Performance of Grounding Grids Buried in Soil Under Impulse lightning Current*

PII.15. ID140. Nabil Kerkacha, Naima Hadj Said, Noureddine Chaib, Asma Adnane and Adda Ali Pacha. A Delay Sensitive Bus-based Routing Technique for Urban Vehicular Networks
PII.16. ID269. Abdelbasset Bedda Zekri, Riadh Ajgou and Messaoud Hettiri. *Impact of Azimuth and Elevation Half Power Beam Width on Human Blockage scenarios in mmWave Channels*
PII.17. ID280. Noureddine Bessous. *Reliability Surveys of Fault Distributions in Rotating Electrical Machines – Case Study of Fault Detections in IMs –*
PII.18. ID228. Hana Merah, Abdelmalek Gacem, Djilani Benattous, Yacine Labbi and Om Parkash Malik. Solving Economic Dispatch Problem Using a New Hybrid PSO-ALO Algorithm
PII. 19. ID222. Yacine Lounici, Youcef Touati, Smail Adjerid, *Walid Touzout and Djamel Benazzouz.* *Inverse Bond Graph Model-Based Active Fault Tolerant Control for Health Monitoring of Electric Vehicle Path Tracking*
PII. 20. ID216. Abderrahim Annou, Souad Berhab, Fouad Chebbara and Tarek Messatfa. *Analysis of a novel designed bowtie shaped DNG metamaterial for satellite applications*
PII. 21. ID268. Roumaissa Bekiri, Abdelhamid Djeffal and Messaoud Hettiri. A Remote Medical Monitoring System Based on Data Mining
PII. 22. ID54. Hicham Serhoud, Youcef Bekakra, Ridha Kechida and Ben Attous Djilani. *New Fuzzy Maximum Wind-Energy Tracking of Brushless Doubly-Fed Generator*
PII.23 . ID. 81 Younes Bouzegag *On the Impact of SSDF Attacks in Hard Combination Schemes in Cognitive Radio Networks*
PII.24. ID30. Sofia Chergui and Salim Abdesselam. *Design and realization of a visible light communication system for Li-Fi application*
PII.25. ID113. Hassani Mohamed Fouad, Toumi Abida, Benkrinah Sabra and Sbaa Salim. *GNSS PRN codes acquisition using Adaptive Thresholding CFAR in Multipath Interference*
PII.26. ID144. Yousfi Boutheina, Delassi Abdelmoumène and Arif Salem *Automatic Generation Control Using Second Generation of FACTS 'Interline Power Flow Controller'*
PII.27. ID172. Mohamed Yassine Haouam, Abdallah Meraoumia, Issam Bendib and Lakhdar Laimeche. *Does the Learning Principle Help Us Improve Hand-Crafted Finger-Knuckle-Print Features?*
PII.28. ID201. Hassina Megherbi, Ahmed Chaouki Megherbi and Mounir Guesbaya. *Cooperative Evolution Grey Wolf Optimizer Algorithm for the Identification of the LuGre Friction Model in the Cart Motion of an Inverted Pendulum System*

PII.29. ID230. Fadi Elislam Rouag, Nadjiba Terki and Djamal Eddine Touil.
Improving the Correlation Filter-based Tracking Using Low-illumination Enhancement Method
PII.30. ID258. Lemya Guettal, Hossam Eddine Glida and Abdelghani Chelih.
Adaptive Fuzzy-Neural Network based Decentralized Backstepping Controller for Attitude Control of Quadrotor Helicopter
PII.31. ID143. Slimane Benmahmoud and Orhan Gazi.
A Parallel SISO Algorithm for Low Latency BICM's Iterative Decoding
PII.32.ID169. Djaber Chibani, Nouara Achour and Abdelghani Daoudi.
SPIDAR-Welder a haptic interface for virtual welding training
PII.31.ID214. Badis Lekouaghet, *Yassine Himeur and Abdelkrim Boukabou.*
Improved SLM technique with a new phase factors for PAPR reduction over OFDM Signals

Oral Session III: 10:15-11:55 (Tuesday, March 17th)

	Oral Session III: Wireless and Network Communications (Room A) *Chairs*: Pr. Jalel Ben Othman, *Pr.* Mohamed Djemai Pr.Ferhat Rehouma and Dr. Slimane Benmahmoud	**Oral Session III: Computer Engineering** (Room B) *Chairs*: Pr OKba Kazar, Dr. Soheyb Ayad and Pr. Monji Kherallah
10:15	ID30 Abdelbasset Bedda Zekri, Riadh Ajgou, Ali Chemsa and Said Ghendir *Analysis of Outdoor to Indoor Penetration Loss for mmWave Channels*	ID90. Djamel Eddine Benrachou, Mostefa Masmoudi, Oualid Djekoune, Nadia Zenati and Mehdi Ousmer *Avatar-Facilitated Therapy and Virtual Reality: Next-Generation of Functional Rehabilitation Methods*
10:35	ID125. Narimane Hadjadji and Hamdi Rachid. *Influence of Pulse Shape in optical coherent dense wavelength division multiplexed system*	ID102. Kamel Messaoudi, Hakim Doghmane, Hocine Bourouba, El-Bay Bourennane and Salah Toumi *Network-on-Chip Application Mapping Using Genetic Algorithm for a Complex hardware implementation of Video encoders*
10:55	ID202. Mohammed Boulesbaa and Ahmed Bouchekhlal. *Design of a Directional Coupler Based on SIW Technology for X Band Applications*	ID123. Fethi Demim, Abdelkrim Nemra, Souhila Benmansour, Abdenebi Rouigueb, Mustapha Hamerlain and Abdelouahab Bazoula. *New Strategy based on an Adaptive SVSF for Autonomous Underwater Vehicle Localization*
11:15	ID116. Meftah Elhadi and Riadh Ajgou. *Multiuser detection in OFDM-IDMA systems using noisy Independent Component Analysis*	ID127. Atef Bentahar, *Abdallah Meraoumia, Hakim Bendjenna, Salim Chitroub and Abdelhakim Zeroual.* *Fuzzy Extractor-Based Key Agreement for Internet of Things*
11:35	ID148. Hamadouche Hadjira, Merabet Boualem and Bouregaa Mouweffeq. *Performance Analysis And Improvement Of (2-10) Gbps WDM PON using EDFA amplifiers*	ID161. Selma Trabelsi, Djamel Samai, Abdallah Meraoumia, Khaled Bensid, Azeddine Benlamoudi, Fadi Dornaika and Abdelmalik Taleb-Ahmed. *Finger-Knuckle-Print Recognition Using Deep Convolutional Neural Network*
11:55	ID186. Mohammed-El-Fateh Hathat, Mohammed Boulesbaa and Samia Gamouh. *Design of New Y Splitter based on Photonic Crystal for Optical Communication*	ID163. Nidhal Hadj Abdallah, *Eya Affes, Yassine Bouslimani, Mohsen Ghribi, Azeddin Kaddouri and Moez Ghariani.* *Smart Assistant Robot for Smart Home Management*