



2022 IEEE 9th International Conference SETIT

Sciences of Electronics, Technologies
of Information and Telecommunications
Genoa-ITALY & Sfax-TUNISIA 28-30 May 2022



2022 IEEE SETIT conference program

Saturday 28/05/2022		Sunday 29/05/2022		Monday 30/05/2022	
08:30	Welcome & Registration	Oral Session 1	Oral Session 2	Oral Session 3	
09:15	<i>Opening Ceremony</i>				
10:15	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	
10:30	Tutorial N°1 (Pr. Stefano Rovetta)	Tutorial N°7 (Pr. Jehan Debayle)	Tutorial N°8 (Pr. Deepak Gupta)	Tutorial N°12 (Pr. A. HAJJAM EL HASSANI)	Tutorial N°13 (Pr. Christos Liambas)
10:45					
11:30	Tutorial N°2 (Pr. Valeriu Beiu)	Oral Session 4	Oral Session 5	Oral Session 6	Oral Session 16
12:15	Tutorial N°3 (Pr. Khalil SAYIDMARIE)	Oral Session 5	Oral Session 6	Oral Session 7	Oral Session 17
13:00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Closing Ceremony</i>
14:30		Oral Session 7	Oral Session 8	Oral Session 9	
15:00	Tutorial N°4 (Pr. Francesco Masulli)	Tutorial N°9 (Pr. Pascal Lorenz)	Tutorial N°10 (Pr. A. Burlea-Schiopoiu)	Tutorial N°11 (Pr. Robert Laurini)	
15:45	Tutorial N°5 (Pr. Alexander Makarenko)				
16:00	Tutorial N°6 (Pr. Reda Reda)	Oral Session 12	Oral Session 13	Oral Session 14	
16:30					
17:00					
17:15					
17:30					
19:00					

SATURDAY, MAY 28, 2022 09:15 - 10:15

Opening ceremony

Saturday, May 28, 2022

SATURDAY, MAY 28, 2022 10:45 - 11:30

Tutorial 1

Optimisation in Computational Intelligence

Prof. Stefano ROVETTA (Italy)

SATURDAY, MAY 28, 2022 11:30 - 12:15

Tutorial 2

The Race for Mighty AI Chips

Prof. Valeriu BEIU (Romania)

SATURDAY, MAY 28, 2022 12:15 - 13:00

Tutorial 3

From Fractal Nature to Communication Engineering

Prof. Khalil SAYIDMARIE (Iraq)

SATURDAY, MAY 28, 2022 15:00 - 15:45

Tutorial 4

Short Term Urban Traffic Flow Forecasting: An Approach
Exploiting Computational Intelligence Methods

Prof. Francesco Masulli (Italy)

SATURDAY, MAY 28, 2022 15:45 - 16:30

Tutorial 5

Cellular Automata. Some New Algorithms, Tools, Applications
and Anticipation Accounting

Prof. Alexander Makarenko (Ukraine)

SATURDAY, MAY 28, 2022 16:30 - 17:15

Tutorial 6

Next Generation Artificial Intelligence and Machine Learning.
Expected Impact on the Industry, Research and the Global
Economy

Prof. Reda Reda (Austria)

Sunday, May 29, 2022

Sunday, May 29, 2022 08:30 - 10:00 ORAL SESSION 1 (Electronics)

- 1924 Study of remotely controlled robot for doing military operation
Sameh KHMAILIA, Jilani ROUABAH & Abdelkader MAMI
- 2115 HLS-based hardware acceleration on the zynq SoC: A Real-Time Face Detection and Recognition System
Yassin KORTLI
- 2130 Absorption enhancement and scattering inhibition for Bowtie Nanoantenna
Abdalem RASHEED & Khalil H. SAYIDMARIE
- 2161 Parametric Sensitivity Analysis of a hybrid excitation flux switching wind turbine generator
Safa AFFI, Habib CHERIF & Jamel BELHADJ
- 2637 An FPGA-SoC based Hardware Acceleration of Convolutional Neural Networks
Soulef BOUAAFIA, Messaoud SEIFEDDINE, Randa KHEMIRI & Fatma Ezahra SAYADI
- 2651 Hardware implementation of a strong pseudo-random numbers generator with an application to image encryption
Mohamed GAFSI, Nessrine ABBASSI, Rim AMDOUNI, Mohamed Ali HAJJAJI & Abdellatif MTIBAA

Sunday, May 29, 2022 08:30 - 10:00 ORAL SESSION 2 (Image and Video)

- 1988 An Approved Security Approach For medical Images and Patients Informations transmission
Amal HAFSA, Jihene MALEK & Mohsen MACHHOUT
- 2039 Speckle Filtering of SAR images Over Mangrove Forests in UAE
Mohamed YAHIA, Tarig ALI, Md Maruf MORTULA, Samy ELMAHDY & Rahul RAHUL
- 2061 Efficient Serial Architecture for PRESENT Block Cipher

Ayoub MHAOUCH

2463 Bibliometric study about chaotic cryptography in developing countries

Salma BEN MAMIA

2510 Quantum cryptography for the benefit of API keys safety

Aymen GHILEN, Amel ZAHOU & Wiem BEN KHALIFA

2612 Fast Edge Detection Algorithm using FPGA Implementation

Yahia KOURD & Ahmed SAMET

2620 Development of a new approach based on deep learning for the detection of covid-19 from chest X-Ray images

Ilyess AMARA

2694 Pre-classification and Pre-processing of Archaeological Images for Automatic Annotation

Marwa BEN SALAH, Ameni YENGUI & Mahmoud NEJI

Sunday, May 29, 2022 08:30 - 10:00
ORAL SESSION 3 (Telecommunications and Networks)

2092 Implementation and Performance Analysis of Lightweight Block Ciphers for IoT applications using the Contiki Operating System

Amal HKIRI, Mouna KARMANI & Mohsen MACHHOUT

2175 Maximizing the lifetime of WSNs using hybrid energy harvesting approach

Dalila BOULERIAL, Bouabdellah KECHAR & Ali BENZERBADJ

2624 Refinement Approach for Node Localization Using Dynamic Cell Structures Neural Networks

Mohsen OTHMANI & Tahar EZZEDINE

2639 Blockchain for WSN and IoT Applications

Nedia BADRI, Leila NASRAOUI & Leila SAIDANE

2641 Robust Jamming Attacks Detection Algorithm for Healthcare Applications

Mbarka BELHAJ MOAHMED

2736 Bio-Inspired Optimization Algorithm based Energy Aware Clustering Technique for Wireless Sensor Networks

Seetha RAJASEKARAN, Pandi Selvam RAMAN, Rajeswari PALANI & Vijaya KUMARI

SUNDAY, MAY 29, 2022 10:00 - 10:30

Tutorial 7

Digital twins for image and video analysis of granulates media

Prof. Johan Debayle (France)

SUNDAY, MAY 29, 2022 10:30 - 11:00

Tutorial 8

Deep Learning and its applications in Natural Language Processing

Prof. Deepak Gupta (India)

Sunday, May 29, 2022 11:30 - 13:00
ORAL SESSION 4 (Image and Video)

- 1991 Medical decision-Making for cardiac MRI : classification methods with CNN in the left ventricle
Houneida SAKLY, Mohamed BJAOUI, Mourad SAID, Naoufel KRAIEM & Med Salim BOUHLEL
- 2138 Deep CNN for Glioma segmentation
Wadhah AYADI
- 2183 Xception-ResNet Autoencoder for Pneumothorax Segmentation
Abdelbaki SOUID & Hedi SAKLI
- 2341 Automatic and Fast Whole Heart Segmentation for 3D Reconstruction
Nabila ZRIRA, Ibtissam BENMILOUD, Kamal MARZOUKI, Zineb FARAHAH, Imane ZAIMI, Btiha EL GHALI, Omar EL MIDAOU, Kawtar MEGDICHE & Nabil NGOTE
- 2506 An Efficient Computer System for Alzheimer Diseases Classification Using Fast Finite Shearlet Transform Domain and Support Vector Machine Classifier
Meriem SAIM & Amel FEROU
- 2608 Exploring and Classifying Beef Retail Cuts Using Transfer Learning
Abdallah ABUZAIID & Ayman ATIA
- 2135 Multi-Classification of brain tumor based on deep CNN
Wadhah AYADI
- 2630 A Brief Review of The Different Approaches for Mood Disorders Detection and Diagnosis
Yosra BEN SALEM

Sunday, May 29, 2022 11:30 - 13:00
ORAL SESSION 5 (Electronics)

- 2329 Study of Using Renewable Energies in Smart Grids
Jihen ELKHALDI, Lotfi BOUSLIMI & Mohamed Najeh LAKHOUA
- 2336 Modeling, simulation and analysis of BEV and FCEV using Matlab/Simulink
Oussama ATTIA, Khalil MAKRAM & Chokri BEN SALAH
- 2438 A comparative study based on a techno-economic analysis of different Microgrid configurations
Sihem AMARA, Sana TOUMI, Chokri BEN SALAH & Ruben ZIEBA FALAMA
- 2473 Experimental realization of sliding mode control of grid-connected photovoltaic system
Rym MAROUANI
- 2561 Prospects of Solar Cell Technology from Silicon to Carbon Nanotube
Aamar SHABIR, Jing CAO, Emadelden FOUAD & Muhammad ULLAH
- 2570 Optimal voltage control in interconnected power distribution systems by a self-adaptive fuzzy logic controller
Haitam ALILOUCH, Fouad SLAOUI HASNAOUI & Semaan GEORGES
- 2627 Hardware Implementation of Maximum Power Point Tracking Algorithms for Photovoltaic Systems: A comparative study
Zahra BEL HADJ SALAH & Saber KRIM
- 2644 Numerical simulation of turbulent forced convection in a flat double-pass solar collector with porous baffles.
Fethallah FAKIRI

Sunday, May 29, 2022 11:30 - 13:00
ORAL SESSION 6 (Telecommunications and Networks)

- 1971 QOE-based intelligent intrusion detection Use case: University video surveillance
Tasnim ABAR, Asma BENLETAIFA & Sadok ELASMI
- 2017 Multimedia Objects and Forensic Determinations of Criminal Responsibility
Michael LOSAVIO, Pavel PASTUKOV & Svetlana POLYAKOVA
- 2142 Partial & Full MIMO for Orbital Angular Momentum Mode Group Division Multiplexing via Optical Fibers
Alaaeddine RJEB, Habib FATHALLAH & Mohsen MACHHOUT
- 2374 Review and evaluation of OTP-Based authentication schemes in the metering systems of smart grids
Hind EL MAKHTOUM
- 2573 B2B buyers' decision about the purchase of an employee recognition software: A qualitative study
Mohamed Achref AZZABI & Manel KHADRAOUI

Sunday, May 29, 2022 14:30 - 16:00
ORAL SESSION 7 (Computer Science)

- 2201 Adapting the LodView RDF Browser for Navigation over the multilingual Linguistic Linked Open Data Cloud
Konstantin NIKOLAEV & Alexander KIRILLOVICH
- 2257 Prediction of Epilepsy Seizure using SVM Based on EEG Signal
Boutkhil SIDAOU
- 2298 Analysing ICT Initiatives towards Smart Policing to assist African Law Enforcement in Combating Cybercrimes
Naftali NAKASOLE
- 2390 Preliminary Study Of A Smart Computer System For Scholar Support
Amal RIFAI, Soukaina NAI, Abdelalim SADIQ & M'Hamed BAKRIM
- 2404 Improved Antlion Algorithm for Electric Vehicle Charging Station Placement
Mohamed Wajdi OUERTANI, Ghaith MANITA & Ouajdi KORBAA
- 2471 Face Recognition in Multiple Variations Using Deep Learning and Convolutional Neural Networks
Thair KADHIM, Nadia ZGHAL, Walid HARIRI & Dalenda BEN AISSA
- 2529 An Analysis of Screen Resolution Effects on Battery Endurance: A Case of Smartphones
Simon MUCHINENYIKA & Hippolyte N'Sung-Nza MUYINGI
- 2628 Large Annotated Arabic Corpus
Si Lhoussain AOURAGH, Saida LAAROUSSI, Yousfi ABDELLAH, Ahmed BOUMEHDI, Hicham GUEDDAH & Said IAZZI

Sunday, May 29, 2022 14:30 - 16:00
ORAL SESSION 8 (Information Processing)

- 2008 Berth Allocation Problem with uncertain arrival and handling times
Mustapha OUDANI & Abderaouf BENGHALIA
- 2221 Lightweight and Efficient Convolutional Neural Network for Traffic Signs Classification
Amine KHERRAKI, Muaz MAQBOOL & Rajae EL OUAZZANI
- 2282 Forensic Handwritten Signature Identification Using Deep Learning
Omar TAREK & Ayman ATIA
- 2331 Review of the resource-based approach to success factors in business intelligence
Ruksana BANU A, Preeti SHHRIVASTAVA & Salim AL DARAAI
- 2469 A machine learning approach for groundwater modeling

Mario G.C.A. CIMINO, Manel ENNAHEDH, Federico A GALATOLO, Nejla HARIGA-TLATLI, Issam NOUIRI, Nicola PERILLI & Tarhouni JAMILA

2607 HIPAA Controlled Patient Information Exchange and Traceability in Clinical Processes

Intidhar ESSEFI, Hanene BOUSSI RAHMOUNI, Anthony SOLOMONIDES & Fethi LADEB

2717 Contribution to the supervision of Manufacturing Systems by a Human Machine Interface

Anis MHALLA

Sunday, May 29, 2022 14:30 - 16:00
ORAL SESSION 9 (Electronics)

2104 Artificial Neural Network based prediction of the effect of temperature and irradiance on photovoltaic current-voltage curves

Naoufel ISMAIL & Mongi BOUAICHA

2179 Reduced CAD system for classification of cancer types based on microarray gene expression data

Sawssen BACHA

2480 A Low-Noise Injection-Locked Ring Oscillator for biomedical implants applications

Nadia GARGOURI, Zied SAKKA & Mounir SAMET

2605 A SoPC FPGA Implementing of an Enhanced Parallel CFAR Architecture

Sadok MSADAA

2610 Robust Real-time Automatic Voice Command based on Raspberry pi for assistance disabled people

Aymen MNASSRI, Sihem NASRI, Boussif MOHAMED & Adnane CHERIF

2625 Implementation of a Symetric chaos-based cryptosystem for image security in real time

Mohamed GAFSI, Rim AMDOUNI, Nessrine ABBASSI, Mohamed Ali HAJJAJI & Abdellatif MTIBAA

2642 Proposed and application of the Dragonfly algorithm for the camera placement problem

Hocine CHEBI

SUNDAY, MAY 29, 2022 16:00 - 16:30

Tutorial 9

Advanced architectures of Next Generation Wireless Networks

Prof. Pascal Lorenz (France)

SUNDAY, MAY 29, 2022 16:30 - 17:00

Tutorial 10

Dispersal of information and digital technology: a disruptive challenging relationship

Prof. Adriana Burlea-Schiopoiu (Romania)

SUNDAY, MAY 29, 2022 17:00 - 17:30

Tutorial 11

Structuring a geographic knowledge base

Prof. Robert Laurini (France)

Sunday, May 29, 2022 17:30 - 19:00

ORAL SESSION 10 (Signal Processing)

- 2015 Adaptive Multitemporal Filtering of Water Pipe Ultrasound Images based on Change Analysis.
Mohamed YAHIA, Ameen AWWAD, Md Maruf MORTULA, Lutfi ALBASHA & Tarig ALI
- 2262 Unsupervised Quasi-Silence based Speech Segmentation for Speaker Diarization
Amit BHUYAN, Hrishikesh DUTTA & Subir BISWAS
- 2356 A comparative study between electrical and morphological features for short-circuit faults detection and discrimination in power grid lines
Mounia HENDEL
- 2368 Influence of the Depth Resolution Function on the Deconvolution of the SIMS Profile
Nadia DAHRAOUI
- 2465 Using a signal model for the Timing of Dividend Payment: the French Case
Wissal BEN LETAIFA
- 2597 Learning for Time Series Differential Phase-Shift Keying-based Non-coherent Receivers
Omnia MAHMOUD & Ahmed EL-MAHDY

Sunday, May 29, 2022 17:30 - 19:00 ORAL SESSION 11 (Image and Video)

- 1968 Real Time Anomaly detection-Based QoE Feature selection and Ensemble Learning for HTTP Video Services
Tasnim ABAR, Asma BENLETAIFA & Sadok ELASMI
- 2152 ISAR-Image recognition using optimized FLANN by a Metaheuristic algorithm
Asma ELYOUNSI, Hatem TLIJANI & Mohamed Salim BOUHLEL
- 2178 An improved KPLS-KELM method for breast cancer detection
Sawssen BACHA
- 2450 Image Based Vehicle-Trailer Angle Estimation
Lila KACI, Bacem SAMET, Meriem YAHIAOUI, Aida MAKNI & Hadj Daoud MOUSSELMAL
- 2470 A Decision Support System for the Early Keratoconus detection using ORBSCAN II Corneal Topographer
Mohammed El Amine LAZOUNI, Mostafa EL HABIB DAHO, Amel FEROUJ & Mahammed MESSADI
- 2565 Access control system
Souhir MASMOUDI
- 2614 Adaptive Diffusion Based Restoration for Noisy Facial Image Recognition
Fella BERRIMI, Riadh HEDLI & Chafia KARA-MOHAMED
- 2647 Fast Cu Partition and Intra Mode Prediction Method for HEVC
Imen WERDA, Amna MARAOUI, Fatma Ezahra SAYADI & Nouri MASMOUDI

Sunday, May 29, 2022 17:30 - 19:00 ORAL SESSION 12 (Telecommunications and Networks)

- 2327 An Energy Efficient Self Organizing Map Based Clustering Protocol For IoT Networks
Malha MERAH, Zibouda ALIOUAT & Chafia KARA-MOHAMED

- 2476 Models and Solvers for Coverage Optimisation in Cellular Networks: Review and Analysis
Zakaria Abdelmoiz DAHI & José Ángel MORELL
- 2588 Performance Analysis of Multi-Hop V2V-VLC System under Atmospheric Weather Conditions
Souad REFAS, Dalila ACHELI, Selma YAHIA, Yassine MERAIHI, Amar RAMDANE-CHERIF, Asma BENMESSAOUD GABIS & Hossien B. ELDEEB
- 2595 Efficient Placement of Splitters in Optical WDM Network
Abdelhakim DAFEUR, Bernard COUSIN, Rezki ZIANI, Fariza BOUHATEM, Faiza ABBA & Samir AIT BELKACEM
- 2683 Technology Skills in Medical Education During Corona Pandemic: Special Case Study
Rajaa Jasim MUHAMMED, Jamal Kamil Kh. ABBAS & Sura KHALIL IBRAHIM
- 2821 SHA based security approach for opportunistic networks
Deepika KANDHOUL

Monday, May 30, 2022

Monday, May 30, 2022 08:30 - 10:00
ORAL SESSION 13 (Computer Science)

- 2134 Hardware Implementation of Secure scalar multiplication Algorithm
Souhir GABSI
- 2243 Applying Algebraic Virtual Machine to Cybersecurity Tasks
Oleksandr LETYCHEVSKYI & Volodymyr PESCHANENKO
- 2442 What Pakistani Computer Science and Software Engineering Students Think about Software Testing?
Luiz CAPRETZ & Abdul Rehman GILAL
- 2444 User Group Profiling through Mobile Application Usage Behavior
Hajer DAMMAK, Oumaima MEJRI, Meriem RIAHI & Faouzi MOUSSA
- 2526 A Comparison of Machine Learning Methods for best Accuracy COVID-19 Diagnosis Using Chest X-Ray Images
Hussein ALI, Walid HARIRI, Nadia ZGHAL & Dalenda BEN AISSA
- 2606 Accurate diagnosis of non-Hodgkin lymphomas on whole-slide images using deep learning
Hathem KHELIL, Abd El Mouméne ZERARI & Leila DJEROU
- 2638 Adaptive Fuzzy DSC based on BLF for Full State Constrained Uncertain Nonlinear Systems with Input Saturation and External Disturbance
Mohammed HADDAD
- 2643 Virtual trajectory tracking of a manipulator robot for Milling Assistance: Application to comanipulator in orthopedic surgery.
Hocine CHEBI

Monday, May 30, 2022 08:30 - 10:00
ORAL SESSION 14 (Telecommunications and Networks)

- 2272 A survey on Mobility Under RPL Routing Protocol
Nesrine KHELIFI, Soufien JAFFALI, Fatma MALLOULI, Aya HELLAL & Habib YOUSSEF

- 2382 Conceptual Design of a Sensorless Smart Parking Payment Solution
Simon MUCHINENYIKA, Attlee M. GAMUNDANI & Colin STANLEY
- 2398 An Aid Decision Tool for Real Time Application Systems
Ines BEN HLIMA, Halim KACEM & Ali GHARSALLAH
- 2560 Development and Application of Persuasive Technology in Waste Management and Ghettoization
Uchenna ONYEMAUCHE, Makuochi NKWO & Blessing OSONDU
- 2611 TD-MQTT: Transparent Distributed MQTT Brokers for Horizontal IoT Applications
Fatma HMISSI & Sofiane OUNI
- 2828 Smart Acquisition and Control in Greenhouse Container Using IoT Devices
Ghada CHIBANI, Mourad TALBI & Aida BOUAJILA

Monday, May 30, 2022 08:30 - 10:00
ORAL SESSION 15 (Electronics)

- 2105 Improved the efficiency of solar power plants by fault detection using IOT technology in 5G network
Youcef DJELDJELI & Zoubir MAHDJOUR
- 2126 Adoption of a Secure ECC-based RFID Authentication Protocol
Souhir GABSI
- 2133 ADAS Application: Lane Segmentation Using SegNet Network
Yassin KORTLI
- 2206 Rectifier Circuit Design for IoT and 5G Applications
Mounira BEN YAMNA, Nabil DAKHLI & Hedi SAKLI
- 2379 Proposal of a Methodology for Modeling and Supervision of Mechatronic Systems
Jamel BEN SALEM, Mohamed Najeh LAKHOUA & Mohamed Fathi KAROUI
- 2489 The Design and Implementation of F-AETA Electromagnetic Mobile Monitoring System
Xinbao ZHANG, Shanshan YONG, Anxin WANG, Chunjiu HE, Zhenyu BAO & Yibin LIU
- 2609 Intelligent Relay Based on Artificial Neural Networks ANN for Transmission Line
Raghda ALILOUCH & Fouad SLAOUI HASNAOUI
- 2622 Fast wsn localization method based on three Anchors and simple geometric technique: Mathematical modeling
Monji ZAIDI

MONDAY, MAY 30, 2022 10:30 - 11:00

Tutorial 12

Application of machine learning techniques for personalized and predictive remote monitoring

Prof. Amir HAJJAM EL HASSANI (France)

MONDAY, MAY 30, 2022 11:00 - 11:30

Tutorial 13

Smart Sensing Train

Prof. Christos Liambas (Greece)

Monday, May 30, 2022 11:30 - 13:00

ORAL SESSION 16 (Image and Video)

- 1941 Left ventricular assist device : Flow HeartWare Simulation with CFD modules
Houneida SAKLY, Mourad SAID & Moncef TAGINA
- 1986 Traffic Sign Recognition for Smart Vehicles Based on Lightweight Cnn Implementation on Mobile Devices
Riadh AYACHI, Mouna AFIF, Yahia SAID & Abdessalem BEN ABDELALI
- 2098 CT-Scans Images Segmentation for COVID-19 Detection Based CNN Architecture Model
Marwa FRADI
- 2283 VGG-Cov for fast detection of COVID-19
Soufiene BEN OTHMAN, Rabiaa TBIBE, Nizar SAKLI & Hedi SAKLI
- 2502 Breast Tumor Detection In Mammogram Images Using Convolutional Neural Networks
Saida Sarra BOUDOUH & Mustapha BOUAKKAZ
- 2545 Pattern Recognition Intelligent System Based RTF-NNT For Early Detection: Application on Alzheimer
Ilhem BOUCHARREB
- 2569 DeepRetino: Ophthalmic Disease Classification from Retinal Images using Deep Learning
Fatima Zahra BELHARAR & Nabila ZRIRA
- 2619 A survey on human behavior analysis and actions recognition from videos
Neziha JAOUEDI, Noureddine BOUJNAH & Med Salim BOUHLEL
- 2825 Optimized Classification of fetal state health using GWO and WOA
Kapil SHARMA & Prerna SHARMA

Monday, May 30, 2022 11:30 - 13:00 ORAL SESSION 17 (Electronics)

- 2122 Design of ADAS Fatigue Control System using Pynq z1 and Jetson Xavier NX
Yassin KORTLI
- 2163 Novel Inverse Hyperbolic Tangent Fiber For Next Generation Mode Group \& Mode Division Multiplexing systems
Alaeddine RJEB, Habib FATHALLAH & Mohsen MACHHOUT
- 2165 Comparative study of mono-pump and multi-pump PV water system and MILP effectiveness in water production improvement
Mondher ABIDI, Amine RHOUMA & Jamel BELHADJ
- 2386 Validation of No-linear Model of electrochemical impedance of a PEM fuel cell using the EIS Spectrum Analyzer
Mohamed Selmene BEN YAHIA
- 2537 Design and Simulation of a PV System Controlled through an Hybrid INC-PSOAlgorithm using XSG Tool
Akram AMRI, Intissar MOUSSA & Adel KHEDHER
- 2602 Distributed Consensus Control for Multi-Agent Oscillatory Systems
Sami ELMADSSIA, Wafa DKHAILA, Mohamed Hechmi JRIDI & Tahar EZZEDINE
- 2629 Numerical analysis of a Microwave Filter using PJ-FMT-WCIP and 2D DWT-WCIP
Sameh BENNOUR
- 2640 Hardware FPGA implementation of an intelligent vector control technique of three-phase rectifier for wind turbine connected to the grid
Hermassi MAHDI, Saber KRIM & Mohamed Ali HAJJAJI

Monday, May 30, 2022 11:30 - 13:00
ORAL SESSION 18 (Information Processing)

- 2045 Multimedia Information Retrieval in Semi-Structured Documents: An overview
Imane BELAHYANE, Mouad MAMMASS, Hasna ABIQUI, Assmaa MOUTAOUKKIL & Ali IDARROU
- 2248 Intrusion Detection Systems using Data Mining Techniques: A comparative study
Mohamed HADDADI, Abdelhamid KHIAT & Nacera BAHNES
- 2303 Application To A Robust Fault Detection In A Hydraulic System
Souad TAHRAOUI, Hakima MOSTEFAOUI, Nadjet MESSAFA & Soraya HITACHE
- 2333 Machine Learning Algorithms For COVID-19 Fake News Detection
Nessrine RAGGAD & Nouha ARFAOUI
- 2525 New Intelligent Neural Network Program Developed Based on Revolutionary Predictive Control for a System Tracking
Wassila ISSAADI & Salim ISSAADI
- 2558 CybClass : Classification Approach For Cybersecurity in Industry 4.0
Salma LAAZIZI
- 2603 Impact of Dimensionality Reduction on Sentiment Analysis of Algerian Dialect
Salima BRACHEMI-MEFTAH, Fatiha BARIGOU, Abdelaziz DJENDARA & Oussama ZAOU
- 2818 Socio-Analyzer: A Sentiment Analysis of #MeToo Tweets using Artificial Recurrent Neural Network
Moolchand SHARMA, Harsh GUNWANT, Kushagra Sharma SHARMA, Deepak GUPTA & Ashish KHANNA

MONDAY, MAY 30, 2022 13:00 - 13:30

Closing ceremony