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In the current context of Coronavirus and in order to meet the deadlines proposed by Springer, the presentations of ICEERE'20 papers must be discussed and validated by videoconference from April 13 to 15, 2020 according to the schedule below:

**PARALLEL SESSIONS**

**Session: I-1**

**Date : Monday, April 13, 2020**

**Time: 11:15 -11:45**

Chairs	Time	Title	Author's email
<b>Anne Migan Dubois</b> <a href="mailto:anne.migan-dubois@geeps.centralesupelec.fr">anne.migan-dubois@geeps.centralesupelec.fr</a>	11:15 -11:30	Optimal Robust Model Free Control for Altitude of a Mini-Drone Using PSO Algorithm (ID: 45). <i>Hossam Eddine Glida, Latifa Abdou, Abdelghani Chelihi, Chouki Sentouh and Gabriele Perozzi</i>	<a href="mailto:hossam.gld@hotmail.com">hossam.gld@hotmail.com</a>
<b>Adel Mellit</b> <a href="mailto:adelmellit2013@gmail.com">adelmellit2013@gmail.com</a>	11:15 -11:30	Prediction of short-term and long-term hourly global horizontal solar irradiation using artificial neural networks techniques in Fez city, Morocco (ID : 35). <i>Zineb Bounoua and Abdellah Mechaqrane</i>	<a href="mailto:zineb.bounoua@usmba.ac.ma">zineb.bounoua@usmba.ac.ma</a>
<b>Mohamed Belkheiri</b> <a href="mailto:m.belkheiri@lagh-univ.dz">m.belkheiri@lagh-univ.dz</a>	11:15 -11:30	Experimental assessment of Perturb & Observe, Incremental Conductance and Hill Climbing MPPTs for photovoltaic systems (ID: 69). <i>Nassir Rouibah, Linda Barazane, Abdelhamid Rabhi, Bekkay Hajji, Amor Hamied, Adel Mellit and Rabah Bouhider</i>	<a href="mailto:rouibahnassir@gmail.com">rouibahnassir@gmail.com</a>
	11:30 -11:45	Behavior study of a new inverter topology for photovoltaic applications (ID: 68). <i>Amari Yehya, Labdai Sami, Hasni Mourad, Rabhi Abdelhamid, Mellit Adel and Hajji Bekkay</i>	<a href="mailto:amariyahya22@gmail.com">amariyahya22@gmail.com</a>

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Session: I-2

Date : Wednesday, April 15, 2020

Time: **15:00 -15:45**

Chairs	Time	Title	Author's email
<b>Rabhi Abdelhamid</b>  <a href="mailto:abdelhamid.rabhi@u-picardie.fr">abdelhamid.rabhi@u-picardie.fr</a>	15:00 -15:15	Production of Hydrogen by Excess Energy Resulting from a Photovoltaic System Supplying a Load of Nominal Power (ID: 111). <i>Abdelhafid Messaoudi, Sanae Dahbi, Abdelhak Aziz and Kamal Kassmi</i>	<a href="mailto:messaoudi1968abdelhafid@gmail.com">messaoudi1968abdelhafid@gmail.com</a>
	15:15 -15:30	Performances MPPT enhancement in PMSG wind turbine system using Fuzzy Logic Control (ID: 127). <i>Mhamed Fannakh, Mohamed Larbi Elhafyani, Zouggar Smail and Hassan Zahboune</i>	<a href="mailto:fannakh.mhamed@gmail.com">fannakh.mhamed@gmail.com</a>
	15:30 -15:45	The impact of the tilt angle on the sizing of Autonomous Photovoltaic Systems using Electric System Cascade Analysis (ID: 99). <i>Mohammed Chennaif, Mohamed Larbi Elhafyani, Hassan Zahboune and Smail Zouggar</i>	<a href="mailto:mohammed.chennaif@gmail.com">mohammed.chennaif@gmail.com</a>
<b>A.El Hafyani</b>  <a href="mailto:m.elhafyani@ump.ac.ma">m.elhafyani@ump.ac.ma</a>	15:00 -15:15	Modeling, Simulation and Real Time implementation of a WECS's MPPT based on the FOC algorithms applied to a DFIG (ID: 152). <i>Nabil Dahri, Mohammed Ouassaid and Driss Yousfi</i>	<a href="mailto:dahrinabil@gmail.com">dahrinabil@gmail.com</a>
	15:15 -15:30	Energy management strategy for an optimum control of a standalone photovoltaic-batteries water pumping system for agriculture applications (ID: 153). <i>Mohammed Benzaouia, Bekkay Hajji, Rabhi Abdelhamid, Adel Mellit, Anas Benslimane and Anne-Megan Dubois</i>	<a href="mailto:benzaouia1996@gmail.com">benzaouia1996@gmail.com</a>
	15:30 -15:45	Analysis of a Building-Mounted Wind-Solar Hybrid Power System in Urban Residential Areas: The Case Study of Istanbul (ID: 64) <i>Bulent Oral, Safak Saglam and Adel Mellit</i>	<a href="mailto:adelmellit2013@gmail.com">adelmellit2013@gmail.com</a>

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<b>El Yaakoubi Mustapha</b> <a href="mailto:mustapha.elyakoubi@slitesource.com">mustapha.elyakoubi@slitesource.com</a>	<b>15:00 -15:15</b>	Industrial Energy Audit Methodology for Improving Energy Efficiency - A Case Study (ID: 31). <i>Ali Elkihel, Abouelanouar and Hassan Gziri</i>	<a href="mailto:alielkihel@yahoo.fr">alielkihel@yahoo.fr</a>
<b>Adel Mellit</b> <a href="mailto:adelmellit2013@gmail.com">adelmellit2013@gmail.com</a>	<b>14:30 -14:45</b>	Study of Graded Ultrathin CIGS/Si Structure for Solar Cell Applications (ID: 61). <i>M. Boubakeur, A. Aissat, J.P.Vilcot</i>	<a href="mailto:sakre23@yahoo.fr">sakre23@yahoo.fr</a>
	<b>15:15 -15:30</b>	Trade Openness and CO2 Emissions in Morocco: An ARDL bounds testing approach (ID: 13). <i>Abdelkarim Jabri and Abdessamad Jaddar</i>	<a href="mailto:jkarim7@yahoo.fr">jkarim7@yahoo.fr</a>

Session: II-1

Date : Tuesday, April 14, 2020

Time: **15 :00 -15 :30**

Chairs	Time	Title	Author's email
<b>Guiseppe Tina</b> <a href="mailto:giuseppe.tina@unict.it">giuseppe.tina@unict.it</a>	<b>15:00 -15:15</b>	Experimental Analysis on Internal Flow Field of Enhanced Heat Transfer Structure for Clean Gas Bus Engine Compartment (ID: 6) <i>Jia-Jie Ou and Li-Fu Li</i>	<a href="mailto:oujiajie11@126.com">oujiajie11@126.com</a>
	<b>15:15 -15:30</b>	The Application of Artificial Neural Network to predict cleanliness drop in CSP power plants using Meteorological measurements (ID: 50) <i>Hicham El Gallassi, Ahmed Alami Merrouni, Abdellatif Ghennioui and Mimoun Chourak</i>	<a href="mailto:alami.univ.oujda@gmail.com">alami.univ.oujda@gmail.com</a>
<b>Emanuele Quaranta</b> <a href="mailto:emanuele.quaranta@ec.europa.eu">emanuele.quaranta@ec.europa.eu</a>	<b>15:00 -15:15</b>	Trays effect on the dynamic and thermal behavior of an indirect solar dryer using CFD method (ID:39). <i>Dounia Chaatouf, Mourad Salhi, Benyounes Raillani, Nadia Dihmani, Samir Amraqui, Mohammed Amine Moussaoui and Ahmed Mezrhab</i>	<a href="mailto:douniaextra@gmail.com">douniaextra@gmail.com</a>
	<b>15:15 -15:30</b>	Comparative study of different conical receiver's materials of a	<a href="mailto:raja.idlimam@um5s.net.ma">raja.idlimam@um5s.net.ma</a>

		parabolic solar concentrator (ID: 59). <b>Raja Iddimam, Mohamed Asbik and Abdellah Bah</b>	
<b>Samir Amraqui</b> <a href="mailto:samir.nova@gmail.com">samir.nova@gmail.com</a>	<b>15:00 -15:15</b>	Three-dimensional analysis of the effect of transverse spacing between perforations of a deflector in a heat exchanger (ID: 60). <b>Jamal-Eddine Salhi and Najim Salhi.</b>	
	<b>15:15 -15:30</b>	Numerical simulation of the flood risk of the deviation hydraulic structure at Saidia (North-East Morocco) (ID: 28). <b>Boushaba Farid, Abdellatif Grari, Chourak Mimoune, Regad Youssef and Bachir Elkihel</b>	

Session: II-2

Date : Tuesday, April 14, 2020

Time: **15:00 -15 :45**

Chairs	Time	Title	Author's email
<b>Ahmed Alami Merrouni</b> <a href="mailto:alami.univ.oujda@gmail.com">alami.univ.oujda@gmail.com</a>	<b>15:00 -15:15</b>	Analysis of the energy produced and energy quality of nanofluid impact on photovoltaic thermal systems (ID: 65). <b>Antonio Gagliano, Hajji Bekkay, Stefano Aneli and Giuseppe Tina</b>	<a href="mailto:agagliano@dii.unict.it">agagliano@dii.unict.it</a>
	<b>15:15 -15:30</b>	Heat transfer and entropy generation for natural convection in a cavity with inner obstacles (ID: 66 ). <b>Jamal Baliti</b>	<a href="mailto:mbaliti@gmail.com">mbaliti@gmail.com</a>
	<b>15:30 -15:45</b>	Mass flow rates effect on the performance of PV/T bi-fluid hybrid collector (single and simultaneous modes). (ID: 159). <b>Oussama El Manssouri, Chaimae El Fouas, Bekkay Hajji, Rabhi Abdelhamid, Tina Giuseppe and Gagliano Antonio</b>	<a href="mailto:elmanssouri.fso@gmail.com">elmanssouri.fso@gmail.com</a>
<b>Antonio Gagliano</b> <a href="mailto:agagliano@dii">agagliano@dii</a>	<b>15:00 -15:15</b>	Application of the random walk particle tracking for convection-diffusion problem within strait of Gibraltar (ID: 82). <b>Hind Talbi, Mohammed Jeyar, Elmiloud Chaabelasri and Najim</b>	<a href="mailto:talbihind14@gmail.com">talbihind14@gmail.com</a>

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<a href="mailto:unict.it">unict.it</a>	<b>15:15 -15:30</b>	<b>Salhi</b> Prediction of Particle Deposition Efficiency in a 90° Turbulent Bend Pipe Flow- A Numerical Study (ID: 137). <b>Fatima Zahrae Erraghroughi, Kawtar Feddi, Anas El Maakoul, Abdellah Bah and Abdellatif Ben Abdellah</b>	<a href="mailto:fz.erraghroughi@gmail.com">fz.erraghroughi@gmail.com</a>
<b>Michele Cali</b> <a href="mailto:mcali@diim.unict.it">mcali@diim.unict.it</a>	<b>15:00 -15:15</b>	Numerical simulation of the sediment transport of the hydraulic diversion structure in Saïdia (North-East of Morocco) (ID: 30). <b>Boushaba Farid, Abdellatif Grari, Chourak Mimoun, Regad Youssef and Elkihel Bachir</b>	<a href="mailto:f.boushaba@yahoo.fr">f.boushaba@yahoo.fr</a> ; <a href="mailto:youssefregad@gmail.com">youssefregad@gmail.com</a>
<b>Emanuele Quaranta</b> <a href="mailto:emanuele.quaranta@ec.europa.eu">emanuele.quaranta@ec.europa.eu</a>	<b>15:15 -15:30</b>	Study and modeling of energy performance of PV/T solar plant for hydrogen production (ID: 160). <b>Chaimae El Fouas, Oussama El Manssouri, Bekkay Hajji, Giuseppe Marco Tina and Antonio Gagliano</b>	<a href="mailto:Chaimae.Elfouascocacola@outlook.fr">Chaimae.Elfouascocacola@outlook.fr</a>

Session: III-1

Date : Tuesday, April 14, 2020

Time: **15:00 -15 :45**

Chairs	Time	Title	Author's email
<b>Nacer Msirdi</b> <a href="mailto:Kouider-Nacer.Msirdi@lis-lab.fr">Kouider-Nacer.Msirdi@lis-lab.fr</a>	<b>15:00 -15:15</b>	Traction Inverter fault detection method based on Welch and K-Nearest Neighbor algorithm (ID: 27). <b>Sara Zerdani, Mohamed Larbi El Hafyani and Smail Zouggar</b>	<a href="mailto:zerdanisara9@gmail.com">zerdanisara9@gmail.com</a>
	<b>15:15 -15:30</b>	Circulating Current Control for Parallel Three-Level T-Type Inverters (ID: 81). <b>Abdelmlaik Zorig, Said Barkat, Mohamed Belkheiri and Abdelhamid Rabhi</b>	<a href="mailto:a.zorig@lagh-univ.dz">a.zorig@lagh-univ.dz</a>
	<b>15:30 -15:45</b>	Robust Fuzzy Control techniques applied for Stabilization of a Quadrotor (ID: 41). <b>Iliass ouachani, Katell Gadonna, Bilal Belaidi, Herve Billard</b>	<a href="mailto:iliass.ouachani@polymon.t.fr">iliass.ouachani@polymon.t.fr</a>

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<b>Driss Yousfi</b> <a href="mailto:dr_yousfi@yahoo.com">dr_yousfi@yahoo.com</a>	<b>15:00 -15:15</b>	Mechanical Modeling, Control and Simulation of a Quadrotor UAV (ID: 44). <i>Hamid Hassani, Anass Mansouri and Ali Ahaitouf</i>	<a href="mailto:hamid.hassani@usmba.ac.ma">hamid.hassani@usmba.ac.ma</a>
<b>Adel Mellit</b> <a href="mailto:adelmellit2013@gmail.com">adelmellit2013@gmail.com</a>	<b>15:15 -15:30</b>	Voltage regulation of HV grid Connected to a 40MVA photovoltaic power plant (ID: 33). <i>Mohamed Dib, Ali Nejmi and Mohamed Ramzi</i>	<a href="mailto:m.dib@onee.ma">m.dib@onee.ma</a>
<b>Aziz Naamane</b> <a href="mailto:aziz.naamane@lisis.org">aziz.naamane@lisis.org</a>	<b>15:30 -15:45</b>	An improved sinusoidal (PWM) and vector (SVPWM) current control for a three-phase photovoltaic inverter connected to a non-linear load (ID: 87). <i>Abdelhak Lamreoua, Anas Benslimane, Jamal Bouchnaif, Mostafa El Ouariachi and Bekkay Hajji</i>	<a href="mailto:a.lamreoua@gmail.com">a.lamreoua@gmail.com</a> ; <a href="mailto:mostafa14600@gmail.com">mostafa14600@gmail.com</a>

Session: III-2

Date : Wednesday, April 15, 2020

Time: **15:00 -15 :45**

Chairs	Time	Title	Author's email
<b>Chouki Sentouh</b> <a href="mailto:Chouki.Sentouh@uphf.fr">Chouki.Sentouh@uphf.fr</a>	<b>15:00 -15:15</b>	Processor in the loop implementation of state of charge estimation strategies for electric vehicle applications (ID: 119). <i>Yahia Mazzi, Hicham Ben Sassi, Fatima Errahimi and Najia Es-Sbai</i>	<a href="mailto:yahia.mazzi@usmba.ac.ma">yahia.mazzi@usmba.ac.ma</a>
	<b>15:15 -15:30</b>	Adaptive Intelligent Control of the ABS Nonlinear Systems Using RBF Neural Network Based on K-means Clustering (ID: 131). <i>Hamou Ait Abbas, Abdelhamid Rabhi and Mohamed Belkhiri.</i>	<a href="mailto:aitabbashamou@gmail.com">aitabbashamou@gmail.com</a>
<b>Driss Yousfi</b>	<b>15:00 -15:15</b>	The Best Place of STATCOM in IEEE 14 Bus System to Improve Voltage profile using Neplan Software (ID: 133). <i>Ismail Moufid, Hassane El Markhi, Hassan El Moussaoui and Tijani Lamhamdi</i>	<a href="mailto:ismail.moufid@usmba.ac.ma">ismail.moufid@usmba.ac.ma</a>

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<a href="mailto:dr_yousfi@yahoo.com">dr_yousfi@yahoo.com</a>	15:15 -15:30	Optimization of electromagnetic interference conducted in a devolver chopper (ID: 144). <b>Mbarki Zakaria and Senhaji Rhazi Kaoutar</b>	<a href="mailto:mbarki.ensem@gmail.com">mbarki.ensem@gmail.com</a>
<b>Aziz Naamane</b> <a href="mailto:aziz.naamane@sis.org">aziz.naamane@sis.org</a>	15:15 -15:30	Design and Implementation of a Photovoltaic Emulator using an Insulated Full Bridge Converter based Switch Mode Power Supply (ID: 151). <b>Mohammed Chaker, Driss Yousfi, Bekkay Hajji, Mustapha Kourchi, Mohamed Ajaamoun, Ahmed Benlarabi, Abd Rahim Nasrudin and Jeyraj Selvaraj</b>	<a href="mailto:chaker.mohammed01@gmail.com">chaker.mohammed01@gmail.com</a>
<b>Hajji Bekkay</b> <a href="mailto:Hajji.bekkay@gmail.com">Hajji.bekkay@gmail.com</a>	15:15 -15:30	Breakdown Voltage Measurement in insulating oil of Transformer According to IEC standards (ID: 158). <b>Seghir Mohamed, Seghier Tahar, Zegnini Boubakeur and Rabhi Abdelhamid.</b>	<a href="mailto:seghirmohammed@yahoo.com">seghirmohammed@yahoo.com</a>

Session: IV

Date : Wednesday, April 15, 2020

Time: **15:00 -15 :45**

Chairs	Time	Title	Author's email
<b>Reine Talj</b> <a href="mailto:reine.talj@hds.utc.fr">reine.talj@hds.utc.fr</a>	15:00 -15:15	Energy Management Strategy for Hybrid Electric Vehicle Using Fuzzy Logic (ID: 37). <b>Bilal Belaidi, Katell Gadonna, Iliass Ouachani, David Vanrechem and Herve Billard</b>	<a href="mailto:bilal.belaidi@Polymont.fr">bilal.belaidi@Polymont.fr</a>
	15:15 -15:30	Simulation of a micro-grid for electric vehicles charging station (ID: 83). <b>Rabah Bouhedir, Adel Mellit and Nassir Rouibah</b>	<a href="mailto:bouhedirrabah@gmail.com">bouhedirrabah@gmail.com</a>
	15:30 -15:45	Energy Management Strategy based on a Combination of Frequency Separation and Fuzzy Logic for Fuel Cell Hybrid Electric Vehicles (ID: 155). <b>Mohammed Essoufi, Bekkay Hajji and Abdelhamid Rabhi</b>	<a href="mailto:essoufi.mohammed@gmail.com">essoufi.mohammed@gmail.com</a>

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<b>Ali Ahitouf</b> <a href="mailto:ali.ahaitouf@usmba.ac.ma">ali.ahaitouf@usmba.ac.ma</a>	18:00 -18:15	Design of fractional order sliding mode controller for lateral dynamics of electric vehicles (ID: 97). <i>Imane Abzi, Mohammed Nabil Kabbaj and Mohammed Benbrahim</i>	<a href="mailto:imane.abzi@usmba.ac.ma">imane.abzi@usmba.ac.ma</a>
	18:15 -18:30	A decentralized multilayer sliding mode control architecture for vehicle's global chassis control, and comparison with a centralized architecture (ID: 149). <i>Ali Hamdan, Abbas Chokor, Reine Talj and Moustapha Doumiati</i>	<a href="mailto:ali.hamdan@hds.utc.fr">ali.hamdan@hds.utc.fr</a>

Session: V-1

Date : Monday, April 13, 2020

Time: 15:00 -15 :45

Chairs	Time	Title	Author's email
<b>Kamal Kassmi</b> <a href="mailto:kassmikamal@yahoo.fr">kassmikamal@yahoo.fr</a>	15:00 -15:15	Application of HPSGWO to the optimal sizing of analog active filter (ID: 43). <i>Abdelaziz Lberni, Malika Alami Marktani, Abdelaziz Ahaitouf and Ali Ahaitouf</i>	<a href="mailto:abdelaziz.lberni@usmba.ac.ma">abdelaziz.lberni@usmba.ac.ma</a>
	15:15 -15:30	Medical cyclotron <sup>18</sup> F radionuclides production simulation in a liquid target with a 16.5 MeV protons (ID: 109). <i>Camelea Miry, Mustapha Zerfaoui, Abdeslem Rrhious, Abdelkader El Hamli, Mohammed Hamal, Abdelilah Moussa and Karim Bahhous</i>	<a href="mailto:cameleamiry@gmail.com">cameleamiry@gmail.com</a>
<b>Ahmed Lakhssassi</b> <a href="mailto:ahmed.lakhssassi@uqo.ca">ahmed.lakhssassi@uqo.ca</a>	15:00 -15:15	Design of a DC and low frequency CMOS active voltage attenuator and level shifter with minimal thermal sensitivity (ID: 75). <i>Abdelkhalak Harrak and Salah Eddine Naimi</i>	<a href="mailto:abdelkhalak.harrak@usmba.ac.ma">abdelkhalak.harrak@usmba.ac.ma</a>
	15:15 -15:30	Modeling and performance analysis of Si-NW ISFET microsensor (ID: 162). <i>Nabil Ayadi, Bekkay Hajji, Hamid Madani, Ahmet Lale, Jerome Launay and Pierre Temple-Boyer</i>	<a href="mailto:nabil.ayadi.ma@gmail.com">nabil.ayadi.ma@gmail.com</a>



Session: V-2

Date : Monday, April 13, 2020

Time: **15:00 -15 :45**

Chairs	Time	Title	Author's email
<b>Jerome Launay</b> <a href="mailto:jerome.launay@iut-tlse3.fr">jerome.launay@iut-tlse3.fr</a>	15:00 -15:15	Theoretical modeling and optimization of GaAsPN/GaAs Tandem Dual-Junction Solar Cells (ID: 73). <i>A. Bahi azzououm, A.Aissat, J. P.Vilcot</i>	<a href="mailto:sakre23@yahoo.fr">sakre23@yahoo.fr</a>
<b>Bekkay Hajji</b> <a href="mailto:hajji.bekkay@gmail.com">hajji.bekkay@gmail.com</a>	15:00 -15:15	Numerical Study of the Effect of Applied Voltage on Simultaneous Modes of Electron Heating in RF Capacitive Discharges (ID: 21). <i>Abdelhak Missaoui, Morad Elkaouini and Hassan Chatei</i>	<a href="mailto:abdelhakmissaoui92@gmail.com">abdelhakmissaoui92@gmail.com</a>
	15:15 -15:30	GATE simulation of 6 MV Photon Beam produced by Elekta medical linear accelerator (ID: 40). <i>Deae-Eddine Krim, Abdeslem Rrhious, Mustapha Zerfaoui, Dikra Bakari and Nacira Hanouf</i>	<a href="mailto:d.krim@ump.ac.ma">d.krim@ump.ac.ma</a>

Session: VI-1

Date : Monday, April 13, 2020

Time: **15:00 -15 :45**

Chairs	Time	Title	Author's email
<b>Anne Migan Dubois</b> <a href="mailto:anne.migan-dubois@geeps.centralesupel.ec.fr">anne.migan-dubois@geeps.centralesupel.ec.fr</a>	15:00 -15:15	Simulation and optimization of Cds/ZnSnN2 structure for solar cell applications with SCAPS-1D software (ID: 79). <i>A. Laidouci, A.Aissat, J. P.Vilcot</i>	<a href="mailto:sakre23@yahoo.fr">sakre23@yahoo.fr</a>
	15:15 -15:30	A Numerical Study of InGaAs/GaAsP Multiple quantum Well solar cells using Radial Basis	<a href="mailto:medkinani@gmail.com">medkinani@gmail.com</a>

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<b>Aissat Abdelkader</b>  <a href="mailto:sakre23@yahoo.fr">sakre23@yahoo.fr</a>		Functions (ID: 101). <i>Kinani M'Hammed Adnane, Abdelaziz Amine, Mir Yamina and Zazoui Mimoun</i>	
	15:30 -15:45	Electromagnetic Filters Based on the Defectives Waveguide Electromagnetic Structure of Loops (ID: 38). <i>Mimoun El Aouni, Youssef Ben Ali, Ilyass El Kadmiri, Zakaria Tahri and Driss Bria</i>	<a href="mailto:youssefplanck@gmail.com">youssefplanck@gmail.com</a>
<b>Mustapha Jouiad</b>  <a href="mailto:mustapha.jouiad@u-picardie.fr">mustapha.jouiad@u-picardie.fr</a>	15:00 -15:15	Effect of the hydrostatic pressure on the electronic states induced by a geo-material defect layer in a Multi-Quantum Wells structure (ID: 76). <i>Fatima Zahra Elamri, Farid Falyouni and Driss Bria</i>	<a href="mailto:f.elamri@ump.ac.ma">f.elamri@ump.ac.ma</a>

Session: VI-2

Date : Monday, April 13, 2020

Time: 15:00 -15 :45

Chairs	Time	Title	Author's email
<b>El Yaakoubi Mustapha</b>  <a href="mailto:mustapha.elyakoubi@slitesource.com">mustapha.elyakoubi@slitesource.com</a>	15:15 -15:30	Optical properties and first principles study of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite structures for solar cell application (ID: 161). <i>Asma O. Al Ghaithi, S. Assa Aravindh, Mohamed N. Hedhili, Tien Khee Ng, Boon S. Ooi and Adel Najar</i>	<a href="mailto:20105022@uaeu.ac.ae">20105022@uaeu.ac.ae</a>
<b>Mustapha Jouiad</b>  <a href="mailto:mustapha.jouiad@u-picardie.fr">mustapha.jouiad@u-picardie.fr</a>		Optical properties of one-dimensional aperiodic dielectric structures based on Thue-Morse sequence (ID: 112). <i>Hassan Aynaou, Noama Ouchani and El Houssaine El Boudouti</i>	<a href="mailto:hassan_aynaou@yahoo.fr">hassan_aynaou@yahoo.fr</a>
<b>El Houssaine</b>	15:00 -15:15	Investigation of temperature and composition effects on the intersubband absorption of InGaAs/GaAs quantum wells r (ID: 71). <i>L. Chenini, A. Aissat, S. Ammi and J.P Vilcot</i>	<a href="mailto:sakre23@yahoo.fr">sakre23@yahoo.fr</a>

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<b>El Boudouti</b> <a href="mailto:elboudouti@yahoo.fr">elboudouti@yahoo.fr</a>		Impact of InGaAs thickness and Indium content on the performance of (InP/InGaAs/InAlAs) MOSFET structure (ID: 77). <b>S. Ammi, A. Aissat and L. Chenini</b>	<a href="mailto:sakre23@yahoo.fr">sakre23@yahoo.fr</a>
<b>Sallah Eddine Naimi</b> <a href="mailto:naimi.salah.eddine@gmail.com">naimi.salah.eddine@gmail.com</a>	<b>15:00 -15:15</b>	Plasmonic demultiplexer based on induced transparency resonances: Analytical and numerical study (ID: 103). <b>Madiha Amrani, Soufyane Khattou, Adnane Noual, El Houssaine El Boudouti and Bahram Djafari-RouhaniAmine El Moutaouakil</b>	<a href="mailto:madiha.amrani143@gmail.com">madiha.amrani143@gmail.com</a>
	<b>15:15 -15:30</b>	Experimental and theoretical study of group delay times and density of states in one-dimensional photonic circuit (ID: 106). <b>Soufyane Khattou, Madiha Amrani, Abdelkader Mouadili, El Houssaine El Boudouti, Abdelkrim Talbi, Bahram Djafari-Rouhani and Abdellatif Akjouj</b>	<a href="mailto:s.khattou@ump.ac.ma">s.khattou@ump.ac.ma</a>

Session: VII

Date : Wednesday, April 15, 2020

Time: **15:00 -15 :45**

Chairs	Time	Title	Author's email
<b>Anass Mansouri</b> <a href="mailto:anas_mansouri@yahoo.fr">anas_mansouri@yahoo.fr</a>	<b>15:00 -15:15</b>	An Antenna Selection Algorithm for Massive MIMO Systems (ID: 36). <b>Yassine Garrouani, Fatiha Mrabti and Aicha Alami Hassani</b>	<a href="mailto:yassine.garrouani@usmba.ac.ma">yassine.garrouani@usmba.ac.ma</a>
	<b>15:15 -15:30</b>	Compact Structure Design of Band Pass Filter using Rectangular Resonator and Integrated Capacitor for Wireless Communications Systems (ID: 46). <b>Belmajdoub Abdelhafid, Jorio Mohammed, Bennani Saad and Lakhssassi Ahmed</b>	<a href="mailto:belmajdoub.abdelhafid@gmail.com">belmajdoub.abdelhafid@gmail.com</a>
	<b>15:30 -15:45</b>	Design of compact bandpass filter based on SRR and CSRR for 5G applications (ID: 130). <b>Mohamed Amzi, Saad Dosse Bennani, Jamal Zbitou and Abdelhafid Belmajdoub</b>	<a href="mailto:amzi.mohamed@yahoo.com">amzi.mohamed@yahoo.com</a>

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<b>Saad Bennani</b> <a href="mailto:bennani.saad.ensaf@gmail.com">bennani.saad.ensaf@gmail.com</a>	15:00 -15:15	A based cloud computing collaboration solution for scalability issue in IoT networks (ID: 84). <b>Abdellah Zyane, Mohammed Nabil Bahiri and Abdelilah Ghammaz</b>	<a href="mailto:bahirimn@gmail.com">bahirimn@gmail.com</a>
	15:15 -15:30	Guidelines for scalable and reliable Photovoltaic Wireless Monitoring System: a Case of Study (ID: 143). <b>Kamal Azghiou, Manal El Mouhib, Youssef Bikrat, Benlghazi Ahmed and Abdelhamid Benali</b>	<a href="mailto:k.azghiou@ump.ac.ma">k.azghiou@ump.ac.ma</a>
	15:30 -15:45	Enhancing performances of a 60 GHz Patch Antenna Using Multilayer 2D Metasurfaces (ID: 105). <b>Feriel Guidoum, Mohamed Lamine Tounsi, Noureddine Ababou and Mustapha C.E Yagoub</b>	<a href="mailto:feriel_guidoum@yahoo.com">feriel_guidoum@yahoo.com</a>

Session: VIII

Date : Tuesday, April 14, 2020

Time: 15:00 -15 :45

Chairs	Time	Title	Author's email
<b>Gilles Dequen</b> <a href="mailto:gilles.dequen@u-picardie.fr">gilles.dequen@u-picardie.fr</a>	15:00 -15:15	Density, Speed and Direction Aware GPSR Protocol for VANETs (ID: 80). <b>Amina Bengag, Asmae Bengag and Mohamed Elboukhari</b>	<a href="mailto:bengag.amina@gmail.com">bengag.amina@gmail.com</a>
	15:15 -15:30	Monitoring of Industrial Equipment Using Thermography Technique in Passive and Active Form (ID: 100). <b>Fatima Khathyri, Ali Elkihel, Bouchra Abouelanouar, and Abd Al Motalib Berrehili</b>	<a href="mailto:f.khathyri@ump.ac.ma">f.khathyri@ump.ac.ma</a>
<b>Mohamed Amine Koulali</b> <a href="mailto:m.koulali@u">m.koulali@u</a>	15:00 -15:15	Embedded implementation of HDR image algorithm (ID: 47). <b>Mohamed Sejai, Anass Mansouri, Saad Bennani Dosse and Yassine Ruichek</b>	<a href="mailto:mohamedsejai92@gmail.com">mohamedsejai92@gmail.com</a>
	15:15 -15:30	Encrypted data sharing using Proxy ReEncryption in smart grid (ID: 114). <b>Anass Sbai, Cyril Drocourt and Gilles Dequen</b>	<a href="mailto:anass.sbai@u-picardie.fr">anass.sbai@u-picardie.fr</a>
	15:30 -15:45	Monitoring Energy Consumption	<a href="mailto:b.abouelanouar@ump.ac">b.abouelanouar@ump.ac</a>

<a href="mailto:mp.ac.ma">mp.ac.ma</a>		Based On Predictive Maintenance Techniques (ID: 29). <b><i>Bouchra Abouelanouar, Ali Elkihel, Fatima Khathyri and Hassan Gziri</i></b>	<a href="mailto:ma">ma</a>
	15:45 -16:00	Enhancing the Performance of Grayscale Image Classification by 2D Charlier Moments Neural Networks (ID: 108). <b><i>Zouhir Lakhili, Abdelmajid El Alami and Hassan Qjidaa</i></b>	<a href="mailto:lakhili.zouhir@gmail.com">lakhili.zouhir@gmail.com</a>