



# International Symposium on Advanced Electrical and Communication Technologies

(ISAECT '2018)  
[www.isaect.org](http://www.isaect.org)  
21-23 November, 2018  
Kenitra – Rabat  
Morocco



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## PROGRAM

<b>Wednesday 21, November 2018</b>			
08h00 - 09h00	Welcoming and Registration		
09h00 - 10h00	Opening Ceremony		
10h00 - 11h00	Coffee Break		
11h00 - 14h00	Keynote Session: <b>KS1</b>		
14h00 - 15h00	Lunch Break		
15h00 - 17h30	Oral Session: TICT-01	Oral Session: TSS-01	Oral Session: TET-01
<b>Thursday 22, November 2018</b>			
08h00 - 09h00	Welcoming and Registration		
09h00 - 11h40	Keynote Session: <b>KS2</b>		
11h40 - 12h30	Poster Session: <b>PS1</b> & Coffee Break		
12h30 - 14h00	Oral Session: TICT-02	Oral Session: TSS-02	Oral Session: TET-02
14h00 - 15h00	Lunch Break		
15h00 - 17h30	Oral Session: TICT-03	Oral Session: TICT-04	Oral Session: TET-03
19h30 - 22h00	Symposium Networking Gala Dinner		

Friday 23, November 2018			
08h00 - 09h00	Welcoming and Registration		
09h00 - 11h00	Keynote Session: <b>KS3</b>		
11h00 - 11h45	Poster Session: <b>PS2</b> & Coffee Break		
11h45 - 13h30	Oral Session: TICT-05	Oral Session: TET-04	Oral Session: TET-05
13h30 - 14h30	Lunch Break		
14h30 - 15h30	Award Ceremony & Symposium Closure		
15h30 - 18h30	Visit of some historical sites in Kenitra-Rabat		

Keys:	
<b>KS</b>	Keynote Session
<b>TICT</b>	Oral Session / Track1: Information and Communication Technologies
<b>TSS</b>	Oral Session / Track2: Smart Systems
<b>TET</b>	Oral Session / Track3: Electrical Technologies
<b>PS</b>	Poster Session

Wednesday, November 21, 2018

<b>08h00 - 09h00</b>	Welcoming and Registration Reception Desk, National School of Applied Sciences, Kenitra
<b>09h00 - 10h00</b>	Opening Ceremony The Red Amphitheater <b>Chair:</b> Prof. Azzedine El Midaoui
<b>10h00 - 11h00</b>	Refreshment Break School Hall
<b>11h00 - 14h00</b>	<b>Keynote Session: KS1</b> <b>Room:</b> The Red Amphitheater <b>Chairs:</b> Prof. M. Essaaidi, and Prof. L. Tarricone
11h00 - 11h40	Keynote speaker: <b>Prof. Dr. Manu Malek</b> , Stevens Institute of Technology, USA <b>Issues and Challenges in Information Security</b>
11h40 - 12h20	Keynote speaker: <b>Prof. Dr. Amlan Chakrabarti</b> , University of Calcutta, India <b>Medical Image Processing: Analysis and Visualization</b>
12h20 - 13h00	Keynote speaker: <b>Prof. Dr. Metin Turkey</b> , Koç University, Turkey <b>Big-Data Analytics: Multi-Group Data Classification with Mathematical Programming</b>
13h00 - 13h40	Keynote speaker: <b>Prof. Dr. Michele Luglio</b> , University of Rome "Tor Vergata", Italy <b>5G: the (r)evolution is in the air</b>
<b>14h00 - 15h00</b>	Lunch Break The School Hall

15h00 - 17h30	Oral Sessions:	TICT-01	TSS-01	TET-01
<b>TICT-01</b>	<b>Room:</b> The Red Amphitheater <b>Chairs:</b> Prof. L. Tarricone, Prof. F. Riouch, and Prof. A. Moussa			
15h00	<b>ID: 131</b> <i>Design &amp; development of 4x2 microstrip patch antenna array with Circular Polarized Elements for Satellite application</i> Mohamed Mahfoudh Harane and Hassan Ammor			
15h15	<b>ID: 94</b> <i>A novel 4x4 Butler matrix connected to 8x1 patch array antenna for electronic scanning radar application</i> Nadia Chater, Tomader Mazri and Mohamed Benbrahim			
15h30	<b>ID: 69</b> <i>High Directive Antenna for Low-UWB Body Area Networks Applications</i> Chaïmaâ Kissi, Mariella Särestöniemi, Carlos Pomalaza-Raez, Marko Sonkki, Sami Myllymäki, Mohamed Nabil Srifi and Heli Jantunen			
15h45	<b>ID: 26</b> <i>Medical Ultrasound Image: A Pre-processing Approach towards Reconstruction</i> Jawad Al-Asad			
16h00	<b>ID: 83</b> <i>Printed H-Antenna with Parasitic Element for RFID Systems</i> Bendali Abdelhak, Habibi Mohamed, Bri Seddik, Srifi Mohamed Nabil and El Fellahi Abdellatif			
16h15	<b>ID: 120</b> <i>A Small Stacked Patch Antenna for Multi-Band Wireless Applications</i> Jalal Naghar, Otman Aghzout and Badiaa Ait Ahmed			
16h30	<b>ID: 113</b> <i>Bandwidth Enhancement of Complementary Split Ring Based Antenna</i> Khalid El Ouahabi, Otman El Mrabet, Khalid Roky, Mariam Aznabet and Mohammed Ali Ennasar			
16h45	<b>ID: 39</b> <i>Microstrip Patch Antenna for Ultra-Wideband Applications</i> Mohamed Hamza Qaddi, Mohamed Nabil Srifi, and Hassan Mharzi			

17h00	<b>ID: 144</b> <b>Double U-Slot Rectangular Patch Antenna for Multiband Applications</b> Osama Ata, Mohammad Salamin and Khaleel Abusabha
17h15	<b>ID: 77</b> <b>Meandered loop antenna for epidermal UHF passive RFID Technology</b> Bouhassoune Ibtissame, Saadane Rachid and Minaou Khalid

<b>TSS-01</b>	<b>Room: C5</b> <b>Chairs: Prof. M. Malek, Dr. C. de Vries Coetsee, and Prof. N. Aknin</b>
15h00	<b>ID: 42</b> <b>NB-IoT, eMTC and Massive CA: Engineering experimental trial results towards the delivery of 5G/IoT Smart Systems</b> Ahmed El Mahjoubi, Tomader Mazri and Nabil Hmina
15h15	<b>ID: 14</b> <b>5G -Dynamic Resource Sharing Mechanism for Vehicular Networks: Congestion Game Approach</b> Imane Daha Belghiti, and Abdelfettah Mabrouk
15h30	<b>ID: 125</b> <b>Big Data Processing Platform for Smart City</b> Saida Elmendili, Younes El Bouzekri El Idrissi, and Nabil Hmina
15h45	<b>ID: 116</b> <b>Multi-agent System Based on Fuzzy Logic for E-learning Collaborative System</b> Issam Matazi, Rochdi Messoussi, Abdellah Bennane, Raja Touahni and Redouan Korchiyne
16h00	<b>ID: 35</b> <b>A New Matching Algorithm for Fault Section Estimation in Power Distribution Networks</b> Rahman Dashti, Mohammad Daisy, Hamid Reza Shaker, and Maryamsadat Tahavori
16h15	<b>ID: 76</b> <b>Fault Detection and Diagnostics in Ventilation Units Using Linear Regression Virtual Sensors</b> Claudio Giovanni Mattera, Joseba Quevedo, Teresa Escobet, Hamid Reza Shaker and Muhyiddine Jradi
16h30	<b>ID: 151</b> <b>Protein identification strategies: towards a hybrid approach to control FDR</b> Sara El Jadid, Raja Touahni and Ahmed Moussa

16h45	<b>ID: 104</b> <i>Implementation of an Automatic Modulation Recognition System on a Software Defined Radio Platform</i> Azza Mohammed Amine and El Moussati Ali
17h00	<b>ID: 126</b> <i>Machine Learning in the service of learning paths in Interactive Learning Environments</i> Yassine Ouali, Ilham Oumaira, Youssef Rochdi
17h15	<b>ID: 85</b> <i>Safe Detection of Critical Faults in Safety System based on Functional Safety</i> Ossmane Krini

<b>TET-01</b>	<b>Room: C6</b> <b>Chairs: Prof. M. Turkay, Prof. M. B. Sedra, and Prof. A. Santos</b>
15h00	<b>ID: 51</b> <i>Indirect vector control of induction motor using a five-level cascaded H-bridge inverter</i> Salma El Bourhichi, Abdellah Oukassi and Mustapha El Adnani
15h15	<b>ID: 29</b> <i>Modeling and Design of a dynamic exoskeleton system with various speeds for hemiplegic patients</i> Abdelkarim Elouarzi, Moulay Brahim Sedra
15h30	<b>ID: 60</b> <i>A Multifunctional PV-Based Shunt Active Power Filter Using Neural Network Controller</i> Asmae Azzam-Jai and Mohammed Ouassaid
15h45	<b>ID: 37</b> <i>Control, Design and Experimental Realization of AC-DC-DC Conversion Chain Prototype Test</i> Soukaina El Daoudi, Loubna Lazrak, Chirine Benzazah, and Mustapha Ait Lafkih
16h00	<b>ID: 45</b> <i>A K-band Application's LC-VCO with Body Biasing Technique using 130 nm CMOS Technology</i> Aitoumeri Abdelhamid, Karim Zouaq, Zineb M'Harzi, Abdelmalik Bouyahyaoui and Mustapha Alami
16h15	<b>ID: 47</b> <i>Sliding mode control with Flux Observer in Sensorless Control of Induction Motor</i> Abdellah Mansouri, Mohammed El Mehdi Benabdellah and Youcef El Bachir Mansouri

16h30	<b>ID: 80</b> <b><i>Current Controller for Inverters used in Microgrids Connected Mode</i></b> Leila Ammeh, Hassan El Fadil and Fouad Giri
16h45	<b>ID: 15</b> <b><i>Output Estimation of Solar Photovoltaic (PV) System</i></b> Rohan Kulkarni, Saurabh Ingale, and Dhananjay Talange
17h00	<b>ID: 134</b> <b><i>A Learning Linguistic Teaching Control for a Non-Linear Dynamic System Based on Fuzzy Logic Control</i></b> Mahmoud Saleh, Tarek Madbouly and Eman Serag
17h30	<b>ID: 96</b> <b><i>PV System with Fuzzy Sliding Mode Control MPPT Strategy and PI Control as a Charge Controller</i></b> Saloua Marhraoui and Ahmed Abbou



**Thursday, November 22, 2018**

<b>08h00 - 09h00</b>	Welcoming and Registration Reception Desk, National School of Applied Sciences, Kenitra
<b>09h00 - 11h40</b>	<b>Keynote Session: KS2</b> <b>Room:</b> The Red Amphitheater <b>Chairs:</b> Prof. M. Luglio, and Prof. M. Ebn Touhami
09h00 - 09h40	Keynote speaker: <i>Prof. Dr. Vincenzo Piuri</i> , University of Milan, Italy <b>Computational Intelligence for Industrial and Environmental Applications</b>
09h40 - 10h20	Keynote speaker: <i>Prof. Dr. Masood Parvania</i> , University of Utah, USA <b>Coordinated Operation of Power, Water and Electrified Transportation Infrastructures in Smart Cities</b>
10h20 - 11h00	Keynote speaker: <i>Prof. Dr. Akram Alomainy</i> , Queen Mary University of London, UK <b>Wearable Antennas and EM Solutions for Biomedical Applications from Body-centric to Nano-scale In-vivo Communications</b>
11h00-11h40	Keynote speaker: <i>Prof. Dr. Ahmed Fawzy Daw</i> , MSA University, Egypt <b>New Era of Ultra Compact Microwave Subsystem Components Based Metamaterials</b>
<b>11h40 - 12h30</b>	Refreshment Break & Poster Session <b>PS1</b> The School Hall
<b>11h40 - 12h30</b>	<b>Poster Session: PS1</b> The School Hall <b>Chairs:</b> Dr. de Vries Coetsee, and Prof M. Arioua
<b>ID: 1</b>	<b>How Augmented and Virtual Reality Are Used in Smart Classrooms?</b> Houda Elkoubaiti, and Radouane Mrabet

**ID: 5**

*A New Design of Reconfigurable SIW Antenna Conformal to Cylindrical Surface*

Serhsouh Imane, Lebbar Hassan, and Himdi Mohamed

**ID: 32**

*Designing Multiband Multilayered Microstrip Antenna for UMTS, ISM, Civil and Military Radar, HiperLAN and C-Band*

Ibrahime Hassan Nejd, Rhazi Youssef, Mustapha Ait Alfkah, and Seddik Bri

**ID: 64**

*Implementation of modulation techniques on TMS320F28379D Launchpad using the BOOSTXL-DRV8305EVM*

Asma Boulmane, Youssef Zidani, and Driss Belkhayat

**ID: 66**

*Selecting Best Machine Learning Techniques for Breast cancer prediction and Diagnosis*

Youness Khourdifi and Bahaj Mohamed

**ID: 21**

*New design of a Wearable Monopole RFID UHF Antenna integrated in Smart Clothing for tracking of human movements*

Belgacem Wahiba, Bousahla Miloud, and Meriah Sidi Mohamed

**ID: 62**

*Application of Adaptive Orthogonal Transform for Diagnosing Physiological Signals*

Hafdi Asma, Abdenbi Abenaou and Ahmed Toumanari

**ID: 121**

*Parallel Nearest Neighbor algorithm for Skyline computation*

Brahim Boudelar, Larbi Alaoui and Moulay Youssef Hadi

**ID: 10**

*Performance Analysis of Simple TCP and F-TCP for Smooth Connectivity in Wireless Communication*

Shahab Ul Islam, and Mudassar Ali

12h30 - 14h15	Oral Sessions:	TICT-02	TSS-02	TET-02
<b>TICT-02</b>	<b>Room: C5</b> <b>Chairs: Prof. A. Sbihi, Prof. O. Aghzout, and Prof. R. Pradeep</b>			
12h30	<b>ID: 38</b> <i>Evaluation of DASH algorithms on dynamic satellite-enhanced hybrid networks</i> Ahmed Abdelsalam, Michele Luglio, Mattia Quadrini, Cesare Roseti, and Francesco Zampognaro			
12h45	<b>ID: 31</b> <i>Efficient Stacked Cylindrical Dielectric Resonator Antenna for Anticollision Short Range Radar at 79 GHz</i> Abderrahim Haddad, Mohssin Aoutoul, Khalid Rais, Mustapha Faqir, Mohamed Essaaidi, Brahim Lakssir, Fadwa El Moukhtafi, and Redouane Jouali			
13h00	<b>ID: 33</b> <i>Design and analysis of a novel Multiband Microstrip Patch Antenna for Wireless Communication</i> Youssef Rhazi, Outman El Bakkali, Seddik Bri, Mustapha Ait Lafkih, Youssef El Merabet, Ibrahime Hassan Nejdi, Mohamed Nabil Srifi			
13h15	<b>ID: 106</b> <i>A Novel CPW-Fed Semi-Circular Triangular Antenna With Modified Groud Plane for Ultra Wide Band (UWB) applications</i> Mourad Elhabchi, Mohamed Nabil Srifi and Raja Touahni			
13h30	<b>ID: 84</b> <i>A Novel Adaptive Array Antenna for a RFID Applications</i> Bendali Abdelhak, Habibi Mohamed, Bri Seddik, Srifi Mohamed Nabil and El Fellahi Abdellatif			
13h45	<b>ID: 40</b> <i>Novel CPW-fed UWB antenna for X-band applications</i> Mohamed Hamza Qaddi, Mohamed Nabil Srifi, and Hassan Mharzi			
14h00	<b>ID: 9</b> <i>Land Use and Land Cover Classification of Abbottabad Region Using Artificial Neural Network and Support Vector Machine</i> Shahab Ul Islam, and Mudassar Ali			

<b>TSS-02</b>	<b>Room:</b> The Red Amphiteater <b>Chairs:</b> Prof. V. Piuri, Prof. A. Saadi, and Prof. A. Chakrabarti
12h30	<b>ID: 132</b> <b>Optimal Production Scheduling for Smart Manufacturers</b> Farhad Angizeh, Masood Parvania and Hector Montero
12h45	<b>ID: 114</b> <b>Comparison between CoAP and MQTT in smart healthcare and some threats</b> Imane Sahmi, Tomader Mazri and Nabil Hmina
13h00	<b>ID: 152</b> <b>Performance Analysis of Frequency Spreading FBMC in Mobile Radio Channel</b> Hachim Azzahhafi, Moussa El Yahyaoui and Ali El Moussati
13h15	<b>ID: 153</b> <b>Combination of OMPCA and LDA for anomaly network detection</b> Amal Hadri, Khalid Choug dali and Raja Touahni
13h30	<b>ID: 93</b> <b>Characteristics Analysis of Wireless Power Transfer System for Electric Vehicle Charging Applications</b> Abdellah Lassioui, Hassan El Fadil, Fatima Zahra Belhaj, Aziz Rachid and Oussama Tarkany
13h45	<b>ID: 7</b> <b>Energy optimization method for a connected vehicles on a cloud database</b> Aymen Flah, Mahmoudi Chokri, and Sbta Lassaad
<b>TET-02</b>	<b>Room:</b> C6 <b>Chairs:</b> Prof. M. Ben Hamed, Prof. M. El Mahi, and Prof. D. Djalel
12h30	<b>ID: 87</b> <b>Influence of AlN Interlayer on the Performance of InAlN/GaN HEMT</b> Asmae Babaya, Seddik Bri and Adil Saadi
12h45	<b>ID: 91</b> <b>Online Control Using ANN-PI Controller for Single Stage Transformerless Grid Tied PV system</b> Khalid Chigane and Mohammed Ouassaid

13h00	<b>ID: 141</b> <b>FPGA Based Bluetooth Controlled Land Vehicle</b> Güner Tatar and Salih Bayar			
13h15	<b>ID: 6</b> <b>An Optimized STATCOM for Higher Quality of the Power System</b> Ethmane Mahmoud, Med Maaroufi, Ahmed Yahfdhou, Abdel Kader Mahmoud and Issagha Youm			
13h30	<b>ID: 150</b> <b>Sensor Fault Detection and Isolation for Robot Manipulator</b> Khaoula Oulidi Omali, Mohammed Nabil Kabbaj and Mohammed Benbrahim			
13h45	<b>ID: 78</b> <b>Modeling of power GaN HEMT for switching circuits applications using Levenberg-Marquardt Algorithm</b> Al Mehdi Bouchour, Andres Echeverri, Olivier Latry, Pascal Dherbécourt and Ahmed El Oualkadi			
14h00	<b>ID: 19</b> <b>Condition Monitoring Of Induction Motor for Mechanical Unbalance Loading Fault Using Vibration Signature Analysis</b> Sushant Nagare, and S.S. Dhamal			
<b>14h15 - 15h00</b>	Lunch Break The School Hall			
<b>15h00 - 17h30</b>	<b>Oral Sessions:</b>	TICT-03	TICT-04	TET-03
<b>TICT-03</b>	<b>Room:</b> The Red Amphitheater <b>Chairs:</b> Prof A. Alomainy, Prof. R. Pradeep, and Prof. L. Sangarapillai			
15h00	<b>ID: 20</b> <b>Novel Framework Based on Genetic Algorithm and Simulated Annealing Algorithm for Optimization of Back Propagation Neural Network Applied to Network Intrusion Detection System</b> Zouhair Chiba, Noredine Abghour, Khalid Moussaid, Amin El Omri, and Mohamed Rida			
15h15	<b>ID: 88</b> <b>Protect the privacy in cloud via data encryption</b> Hicham Amellal, Abdelmajid Maslouhi and Abderahim El Allati			

15h30	<b>ID: 89</b> <i>Layered offset Min-sum Decoding for low density parity check codes</i> Nejwa El Maammar, Seddik Bri and Jaouad Foshi
15h45	<b>ID: 105</b> <i>DoS Detection based on Mobile Agent and Naïve Bayes Filter</i> Yousra Berguig, Jalal Laassiri and Sanae Hanaoui
16h00	<b>ID: 110</b> <i>Comprehensive Experimental Analysis Of Handcrafted Descriptors for Face Recognition</i> Mohamed Kas, El Merabet Youssef, Yassine Ruichek and Rochdi Messoussi
16h15	<b>ID: 44</b> <i>Design of UHF RFID Tag Antenna for Automotive Tire</i> Nadir Sarsri, Sami Myllymäki, Nabil Mohamed Srifi and Marko Sonkki
16h30	<b>ID: 102</b> <i>Throughput Performance Of Adaptive Modulation And Coding Schemes for WPAN Transceiver</i> Azza Mohammed Amine, El Moussati Ali and El Yahyaoui Moussa
16h45	<b>ID: 154</b> <i>Combination of a Successive Surface Experiment Design and a Hierarchical Routing Protocol to the Optimization of the System Energy in Wireless Sensor Networks</i> Mohammed Jabri, Omar Moussaoui, Mimoun Moussaoui and Ali El Moussati
17h00	<b>ID: 54</b> <i>Robust Adaptive Beamforming based on convex optimization with variable diagonal loading</i> Esper Ibrahim and Elie Khalil
17h15	<b>ID: 11</b> <i>Geomarketing solution based on Bluetooth Low Energy</i> Dalal Zaim, Aziza Benomar, and Mostafa Bellafkih

<b>TICT-04</b>	<b>Room: C5</b> <b>Chairs: Prof. O. Ata, Prof. M. Habibi, and Prof. A. Fawzy Daw</b>
15h00	<b>ID: 46</b> <i>A Low Phase Noise and 56.3% FTR LC-VCO with an Enhanced IMOS Varactor for use in Wireless LAN Communication Protocols 802.11b/g</i> Aitoumeri Abdelhamid, Karim Zouaq, Zineb M'Harzi, Abdelmalik Bouyahyaoui and Mustapha Alami

15h15	<p><b>ID: 58</b> <i>Performance Evaluation of Multiband 60 GHz Impulse Radio for Broadband</i> Tarik Zarrouk, Ali El Moussati, Papa Alioune Fall and Lahoucine El Maimouni</p>
15h30	<p><b>ID: 129</b> <i>A Comparative Study of Machine Learning Algorithms for Financial Data Prediction</i> Zineb Bousbaa, Daniel González Cortés, Omar Bencharef and Aida Cortés Jofré</p>
15h45	<p><b>ID: 100</b> <i>Generation and Transmission of FBMC signal at Millimeter-Wave over Fiber for 5G</i> Hachim Azzahhafi, Moussa El Yahyaoui and Ali El Moussati</p>
16h00	<p><b>ID: 97</b> <i>Application of machine learning model on streaming health data event in real-time to predict health status using Spark</i> Abderrahmane Ed-Daoudy and Khalil Maalmi</p>
16h15	<p><b>ID: 68</b> <i>Metaheuristics and evolutionary methods for Feature selection in sentiment analysis</i> Hasna Ighazran, Larbi Alaoui and Tarik Boujiha</p>
16h30	<p><b>ID: 86</b> <i>Two-Stage Design of High Power UWB Monocycle Generator for Radar Sensor Applied in The Four Industry Revolution</i> Ahajjam Younes, Otman Aghzout, José Manuel Catala-Civera, Felipe Peñaranda Foix, Abdellah Driouach and Badiaa Ait Ahmed</p>
16h45	<p><b>ID: 49</b> <i>Controlling maximum window of TCP NewReno in Underwater Wireless Sensor Network</i> Hajar Bennouri and Amine Berqia</p>
17h00	<p><b>ID: 145</b> <i>A Top-up Design for PAL to VGA Conversion in Real Time Video Processing System</i> Jafar Alzubi, Sunil Jacob, Varun Menon, Saira Joseph and Vinoj P G</p>

<b>TET-03</b>	<b>Room:</b> C6 <b>Chairs:</b> Prof. M. Parvania, Prof. A. Flah, and Prof. M. E. Achour
15h00	<b>ID: 56</b> <i>An Efficient HW/SW Partitioning Algorithm for Power Optimization in Embedded Systems</i> Adil Iguider, Oussama Elissati, Mouhcine Chami and Abdeslam En-Nouaary
15h15	<b>ID: 8</b> <i>Diagnosis of Rotor Winding Inter-turn Short Circuit Fault in Wind Turbine Based on DFIG using the TSA-CSA method</i> Hamza Sabir, Mohammed Oussaid, and Nabil Ngote
15h30	<b>ID: 41</b> <i>Modeling and Simulation of a Triple Junction Cells based Photovoltaic Panel for a Nanosatellite</i> Smail Chtita, Aziz Derouich, and Jamal Belkaid and Yassine Chaibi
15h45	<b>ID: 50</b> <i>Sensorless Control of the PMSG in WECS Using Artificial Neural Network and Sliding Mode Observer</i> Chakib Chatri and Mohammed Ouassaid
16h00	<b>ID: 123</b> <i>Solving energy transportation cost using mixed integer non-linear programming</i> Taoufiq Elharrouti, Ismail El Kafazi, Sara Haddou Amar, Rachid Bannari and Abdellah Abouabdellah
16h15	<b>ID: 95</b> <i>Modelling and simulation of the micro transformer for power electronics</i> Kahina Benamer, Cylia Amrane and Abdelkader Abdeljebbar
16h30	<b>ID: 74</b> <i>Cascade control loop of DC-DC Boost Converter using PI controller</i> Ounis Rabiaa, Ben Hamed Mouna, Sbita Lassaad and Aymen Flah
16h45	<b>ID: 122</b> <i>Modeling and Robust Integral Sliding Mode Control For a Quadrotor Unmanned Aerial Vehicle</i> Moussa Labbadi and Mohamed Cherkaoui
17h00	<b>ID: 3</b> <i>Integrated LC voltage-controlled-oscillators (VCOs)</i> Otmene Bekkaoui
17h15	<b>ID: 36</b> <i>Noise Effect on Real-Time Estimation of Harmonics in Electrical Power Substations</i> Ahmed Abdolkhalig, Fatihe Abusief, and Ashraf Mohamed



Friday, November 23, 2018

08h00 - 09h00	Welcoming and Registration Reception Desk, National School of Applied Sciences, Kenitra
09h00 - 11h40	<b>Keynote Session: KS3</b> <b>Room:</b> The Red Amphitheater <b>Chairs:</b> Prof. A. Chakrabarti, and Prof. O. Ata
09h00 - 09h40	Keynote speaker: <b>Prof. Dr. Sangarapillai Lambotharan</b> , Loughborough University, UK <b>Game Theory and its Applications in Wireless Communications and Sensing Systems</b>
09h40 - 10h20	Keynote speaker: <b>Prof. Dr. Tufan Kumbasar</b> , Istanbul Technical University, Turkey <b>Real-Time Applications of Fuzzy Logic Control</b>
10h20 - 11h00	Keynote speaker: <b>Prof. Dr. Hamid Reza Shaker</b> , University of Southern Denmark <b>Model Reduction and Approximation for Complex Systems</b>
11h00 - 11h45	Refreshment Break & Poster Session <b>PS2</b> The School Hall
11h00 - 11h45	<b>Poster Session: PS2</b> The School Hall <b>Chairs:</b> Prof. T. Mazri, and Prof. A. Flah
<p><b>ID: 119</b> <b>Android REST APIs : Volley vs Retrofit</b> Mohamed Lachgar, Hanane Benouda and Selwa Elfirdoussi</p> <p><b>ID: 128</b> <b>Solar pumping for green campus</b> Fadwa Mansouri, Khalid Nouneh and Mohammed Ebn Touhami</p>	

<p><b>ID: 133</b> <i>Predict Driver Fatigue Using Facial Features</i> Oussama Berkati and Mohamed Nabil Srifi</p> <p><b>ID: 143</b> <i>Security Analysis of Ye et al. Authentication Protocol for IoT</i> Mourade Azrou, Mohammed Ouanan, Yousef Farhaoui and Azidine Guezzaz</p> <p><b>ID: 28</b> <i>Wireless charging system for a mobile hybrid electric vehicle</i> Naoui Mohamed, Aymen Flah, Ben Hamed Mouna</p> <p><b>ID: 92</b> <i>Modeling of MPPT controller and photovoltaic module in variable conditions using Matlab/Simulink</i> Maroua Bouksaim, Yassin Acci, Abdelkader Hadjouja, Nissrine Krami and M. Nabil Srifi</p> <p><b>ID: 99</b> <i>Automatic Extraction of SBVR based Business Vocabulary from Natural Language Business Rules</i> Abdellatif Haj, Youssef Balouki and Taoufiq Gadi</p>
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11h45 - 13h30	Oral Sessions:	TICT-05	TET-04	TET-05
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<b>TICT-05</b>	<b>Room: C5</b> <b>Chairs: Prof. J. Al-Asad. Salem, Prof. A. El Moussati, and Prof. M. Boulmalef</b>
11h45	<b>ID: 67</b> <i>A Photovoltaic Wireless Monitoring System</i> Youssef Bikrat, Khalid Salmi, Ahmad Benlghazi, Abdelhamid Benali and Driss Moussaid
12h00	<b>ID: 82</b> <i>Social Big Data Mining Framework for extremist content detection in Social Networks</i> Errais Mouhssine and Khalid Chougali
12h15	<b>ID: 140</b> <i>Photo Detector based Indoor Positioning Systems Variants</i> Muhammad Khan, Rizwan Hassan and Mohsin Jamil

12h30	<b>ID: 142</b> <i>A Perceptually Optimized Embedded Image Coder and Quality Assessor Based Both on a Visual Optimization Tools</i> Abderrahim Bajit and Mohammed Nahid
12h45	<b>ID: 70</b> <i>Collaborative Recommender Systems based on User-Generated Reviews: A Concise Survey</i> Mehdi Srifi, Badr Ait Hammou, Salma Mouline and Ayoub Ait Lahcen
13h00	<b>ID: 52</b> <i>Genetic-Based Approach to the Synthesis of Rectangular Microstrip Antenna Elements with Reduced Mutual Coupling</i> Mahmud Esad Yiğit, Tayfun Günel and Gülay Öke Günel
13h15	<b>ID: 90</b> <i>Novel Approach for Time-Domain Modeling a Full Anechoic Chamber for Near/Far-Field Antenna Measurement</i> Chakib Taybi, Mohammed Anisse Moutaouekkil and Bachir Elmagroud

<b>TET-04</b>	<b>Room:</b> C6 <b>Chairs:</b> Prof. T. Kumbasar, Prof L. Hlou, and Prof. S. Bri
11h45	<b>ID: 30</b> <i>A Holistic Fuzzy Measure for Load Priority in Under Frequency Load Shedding Schemes</i> Athila Santos, Hamid Shaker, and Bo Jørgensen
12h00	<b>ID: 23</b> <i>Double frequency filtering in a one-dimensional photonic comb-like</i> Youssef Ben Ali, Ouariach Abdelazizi, Bria Driss, and Tahri Zakaria
12h15	<b>ID: 4</b> <i>A Parallel Multi-Classifiers System for Mechanical Fault Recognition</i> Boukari karima, and Farah Lotfi
12h30	<b>ID: 98</b> <i>Overview on the Performance of STATCOM in the Improvement of the Electric Power Quality in Electrical Networks</i> Dib Djalel, Ghoudelbourk Sihem, Fartas Fatma Zohra and Lemita Bouchra
12h45	<b>ID: 48</b> <i>Power Quality Enhancement of Grid-Connected Photovoltaic System Using Fuzzy-PI control</i> Omar Oubrahim and Mohammed Ouassaid

13h00	<b>ID: 53</b> <i>A Genetic-Based Synthesis Approach to the Composite Right/Left-Handed Transmission Line Phase Shifter</i> Mahmud Esad Yiğit and Tayfun Günel
13h15	<b>ID: 127</b> <i>New Approach Based on Multifractal Spectrum Features for Detection of Osteoporosis</i> Redouan Korchiyne, Raja Touahni, Sidi Mohamed Farssi, Abderrahmane Sbihi, Mustapha Tahiri Alaoui, Youssef El Merabet and Issam Matazi
<b>TET-05</b>	<b>Room:</b> The Red Amphitheater <b>Chairs:</b> Prof. H. Shaker, Prof. R. Messoussi, and Prof. S. El Hani
11h45	<b>ID: 108</b> <i>DTC of an Induction Motor based on ANFIS speed controller and intelligent dual observer</i> Chaymae Fahassa, Mohamed Akherraz and Yassine Zahraoui
12h00	<b>ID: 117</b> <i>Implementation of a Capless-LDO In An Energy Harvesting Chain for Aircraft Applications</i> Hatim Ameziane, Kamal Zared and Hassan Qjidaa
12h15	<b>ID: 139</b> <i>Impact of CL and LCL Low Pass Output Filters on High Order Harmonics of Single Stage Photovoltaic Microinverter</i> Lahcen El Iysaouy, Algirdas Baskys, Mhammed Lahbabi, Bielskis Edvardas and Abdelmajid Oumnad
12h30	<b>ID: 147</b> <i>Sliding Mode Control of a Five-Phase Series- Connected Two-Motor Drive</i> Omar Zouaid and Lazhari Nezli
12h45	<b>ID: 34</b> <i>Study of the Transmission spectra in one-dimensional superconductor Photonic Crystal</i> Ouarda Barkat, and Badreddine Mamri
13h00	<b>ID: 13</b> <i>Analysis of Different Types of Core Materials in Photonic Crystal Fiber</i> Ravindra Kumar Sharma, Kirti Vyas, and Sunil Sharma
<b>13h30 - 14h30</b>	Break Lunch The School Hall

<p><b>14h30 - 15h30</b></p>	<p><b>Awards Ceremony &amp; Symposium Closure</b>                  The Red Amphiteater                  National School of Applied Sciences, kenitra</p>
<p><b>15h30 - 18h30</b></p>	<p><b>Visit of some historical sites in Kenitra-Rabat</b> (Departure from National School of Applied Sciences, kenitra)</p>



*2018, Morocco*