



**Program of the
International Symposium on Advanced Electrical and
Communication Technologies
(ISAECT-2020)**

November 25th – 27th, 2020

Ibn Tofail University - Kenitra, Morocco

www.isaect.org

Under the Patronage of the European Space Agency (ESA)

Date	Time (GMT+1)	Event
Day 1 – Wednesday November 25th, 2020	Day 1 – Wednesday November 25th, 2020	
	09:30 am – 10:00 am (GMT+1)	Opening Ceremony Chair: Michele Luglio Link: meet.google.com/fro-kvtr-oxb Prof. Azzedine El Midaoui, President of Ibn Tofail University, Morocco Prof. Mohamed Chafik Idrissi, Director of National School of Applied Sciences Dr. Eng. Stefano Cioni, ESA - European Space Agency Prof. Manu Malek, ISAECT2020 General Co-Chair Prof. Fabrizio Granelli, ISAECT2020 TPC Chair Prof. Mohamed Nabil Srifi, ISAECT General Chair
		Keynote Speaker Session 1: Chair: Prof. Michele Luglio, University of Rome Tor Vergata, Italy Link: meet.google.com/fro-kvtr-oxb
	10:00 am – 10:45 am (GMT+1)	Keynote Speaker 1: Prof. Erol Gelenbe <i>Institute of Theoretical and Applied Informatics, Polish Academy of Sciences, Poland</i> "The Cognitive Packet Network for QoS based Routing"
	11:00 am – 11:45 am (GMT+1)	Keynote Speaker 2: Prof. Heli Jantunen <i>University of Oulu, Finland</i> "Recent progress in Electroceramic materials for high frequency applications"
	12:00 pm – 12:45 pm (GMT+1)	Keynote Speaker 3 - ESA representative Dr. Eng. Stefano Cioni <i>European Space Agency (ESA), Netherlands</i> "The Non-Terrestrial Network (NTN)"
		Parallel Oral Sessions: 02:00 pm - 05:00 pm (GMT+1)
02:00 pm – 05:00 pm (GMT + 1)	Oral Session S1.1: Smart Systems Chairs S1.1: Prof. Ch. Pradeep Reddy, Vellore Institute of Technology - Andhra Pradesh University, India Prof. Mounir Arioua, Abdelmalek Essaadi University, Morocco Prof. Hassan Mharzi, Ibn Tofail University, Morocco Link: meet.google.com/xrs-ntdu-xpg ID: 14 Intelligent machine vision model for defective product inspection based on machine learning Benbarrad Tajeddine, Bakhat Kenitar Soukaina and Arioua Mounir ID: 17 Proposed Ontology to Intelligent Road Network Abdelmoutia Telli and Abdelouahab Belazoui ID: 15 H-infinity Control of bidirectional dc-dc Power Converter for V2G BEV Charger Aziz Rachid, Hassan El Fadil, Abdellah Lassioui, Kamal Rachid and Zakaria El Idrissi ID: 39 An overview of Ethereum and Solidity vulnerabilities Aicha Bouichou, Soufiane Mezroui and Ahmed El Oualkadi ID: 68 The Impact of Covid-19 on Connected and non-Connected Production Lines in the Automotive Industry Salah Eddine Ayoub El Ahmadi and Laila El Abbadi ID: 69 CNN Adaptations for Boat Detection in Aerial Images Tested on Yolo v2 Ilham Zerrouk, Younes Moumen, Wassim Khiati, Ali El Habchi, Jamal Berrich and Toumi Bouchentouf ID: 74 Increasing the Performance of an IDS using ANN model on the realistic cyber dataset CSE-CIC-IDS2018 Yassine Ayachi, Youssef Mellah, Jamal Berrich and Toumi Bouchentouf ID: 80 Efficient implementation of Background Subtraction GMM method on Digital Signal Processor Smail Bariko, Abdessamad Klilou, Abdelouahed Abounada and Assia Arsalane	

ID: 28

Applying Real-Time Object Shapes Detection To Automotive Traffic Roads Signs

Anass Barodi, Abderrahim Bajit, Mohammed Benbrahim and Ahmed Tantaoui

ID: 92

Investigation on PID Controller Tuning Methods for Aircraft Fuselage Temperature Control

K. V. Pavan Srikar, Y. V. Pavan Kumar, D. John Pradeep and Ch. Pradeep Reddy

Oral Session S1.2: Communication and Information Technologies

Chairs S1.2: Prof. Sami Myllymäki, University of Oulu, Finland

Prof. Osama W. Ata, Palestine Polytechnic University, Palestine

Prof. Khalid Chougali, Ibn Tofail University, Morocco

Link: meet.google.com/mow-irot-bjg

ID: 18

A Machine Learning approach for routing in satellite Mega-Constellations

Francesco Zampognaro and Andrea Cigliano

ID: 30

Satellite network configuration to efficiently support multicast CDN applications

Cesare Roseti

ID: 100

Compact Directive On-body UWB Antenna for Wireless Capsule Endoscopy Systems

Chaïma Kissi, Mariella Särestöniemi, Timo Kumpuniemi, Sami Myllymäki, Marko Sonkki, Mohamed Nabil Srifi, Heli Jantunen and Carlos Pomalaza-Raez

ID: 32

A High Gain Reconfigurable Frequency Antenna Multiband for Wireless Communications

Ibrahim Hassan Nejdı, Youssef Rhazi, Mustapha Ait Lafkih and Seddik Bri

ID: 3

On the Performance of Spatio-Temporal Compression Schemes in Cluster-based WSNs

Samia Al Fallah, Jihane Elaasri, Mounir Arioua and Ahmed El Oualkadi

ID: 10

On the LoRa performances under different physical layer parameter selection

Yassine Yazid, Imad Ez-Zazi, Mounir Arioua and Ahmed El Oualkadi

ID: 38

Implementation of 5G use cases in the VIBeS test bed

Mattia Quadrini

ID: 36

Improved JPEG image watermarking in the data compression domain

Zairi Mourad, Boujiha Tarik and Oueli Abdelhaq

ID: 44

Design and Analysis of Reconfigurable Frequency Antenna with Rejection Bands for UWB Applications

Ifissane El Mustapha, Moulay Driss Belrhiti, Bri Seddik and Foshi Jaouad

ID: 45

A novel Compact UWB monopole antenna with Reconfigurable dual band-notch characteristics for WIMAX and WIFI 6E bands

Nihade Taher, Alia Zakriti, Naima Amar Touhami and Faouzi Rahmani

ID: 84

5G Narrow-Band Band-Pass Filter using Parallel Coupled Lines and L-Shaped resonator

Souhaila Ben Haddi, Asmaa Zugari, Alia Zakriti and Soufiane Achraou

	<p>Oral Session S1.3: Electrical Technologies</p> <p>Chair S1.3: Prof. Ahmed El Oualkadi, Abdelmalek Essaadi University, Morocco Prof. Lassaad Sbita, University of Gabes, Tunisia Prof. Pradeep Kumar Singh, ABES Engineering College, India</p> <p>Link: meet.google.com/oxk-xzsw-heg</p> <p>ID: 96 <i>Performance Comparison between Excit Feedback Linearization and LQI Controllers for an DFIG</i> Hicham El Azri, Tamou Nasser and Ahmed Essadki</p> <p>ID: 8 <i>Ku-Band Lightweight Aluminium Waveguides Fabricated by Direct Metal Laser Sintering Process</i> Youssef Chairi, Rozenn Allanic, Anne-Charlotte Amiaud, Sarra Abedrabba, Ahmed El Oualkadi, Cédric Quendo, Thomas Merlet, Kamal Rekloui and Thierry Le Gougec</p> <p>ID: 35 <i>Parasitic Elements Extraction of the GaN HEMT Packaged Power Transistors based on S-parameter measurements</i> Al Mehdi Bouchour, Pascal Dherbécourt, Ahmed El Oualkadi and Olivier Latry</p> <p>ID: 48 <i>A Reduced Subgradient Algorithm for Solving Combined Economic Emission Dispatch Problem with Valve Point Effect in Power Grid</i> El Hachmi Talbi, Mustapha El Moudden, Lhoussine Abaali and Rachid Skouri</p> <p>ID: 76 <i>Performances of the SHA-3 candidates implemented in the Zynq-7000 Artix-7 FPGA</i> Asmae Zniti and Nabih El Ouazzani</p> <p>ID: 77 <i>Direct computation to evaluate the capacitance of multiconductor transmission line</i> Mohamed Saih, Zahra Bouzidi, Rouijaa Hicham and Abdellilah Ghammaz</p> <p>ID: 33 <i>Control Analysis and Optimization of a Stand-alone Photovoltaic/Battery Hybrid Power Generation System by Using Firefly Algorithm</i> Linda Hassaine, Issam Abadlia, Antar Beddar, Fateh Abdoune and Mohamed Rida Bengourina</p> <p>ID: 87 <i>The Impact Study Of The Thermal Proprieties Of The Polyamide 12 And Other Parameters On The Temperature During Selective Laser Sintering Process</i> Hanane Yaagoubi, Hamid Abouchadi and Mourad Taha Janan</p> <p>ID: 34 <i>Nonlinear Backstepping Method for Grid-Tied Photovoltaic Generation System</i> Linda Hassaine, Issam Abadlia, Fateh Abdoune, Antar Beddar and Mohamed Rida Bengourina</p> <p>ID: 67 <i>Comparative study of a solar system and a conventional butane-based system during the distillation of rosemary leaves</i> Kamal Ezzarrouqy, Abdessamed Hejjaj, Ali Idlimam, Fatima Ait Nouh and Laila Mandi Mandi</p>
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Day 2 – Thursday November 26th, 2020

		<p style="text-align: center;">Plenary Speaker Session 2:</p> <p style="text-align: center;">Chairs: Prof. Luciano Tarricone, University of Salento, Italy Prof. Lotfi Ben Romdhane, University of Sousse, Tunisia</p> <p style="text-align: center;">Link: meet.google.com/fro-kvtr-oxb</p>
Day 2 – Thursday 26 November 2020	10:00 am – 10:45 am (GMT+1)	<p style="text-align: center;">Speaker 1: Prof. Sinem Coleri Koç University, Turkey</p> <p style="text-align: center;">"Machine-to-Machine Communications: 5G and Beyond"</p>
	10:45 am – 11:30 am (GMT+1)	<p style="text-align: center;">Speaker 2: Prof. Mohamed Essaaidi Mohammed V University, Morocco</p> <p style="text-align: center;">"Smart Cities Promised Technological & Social Revolution"</p>
	11:30 am – 12:15 pm (GMT+1)	<p style="text-align: center;">Speaker 3: Prof. Mohamed Jemni ICT Department, ALESCO, Tunisia</p> <p style="text-align: center;">"Artificial Intelligence and Education in the 4th Revolution era"</p>

Parallel Oral Sessions: 02:00 pm - 05:00 pm (GMT+1)

Oral Session S2.1: Smart Systems

Chairs S2.1: Prof. Jawad Al-Asad, Prince Mohammad Bin Fahd University, Kingdome of Saudi Arabia
Prof. Leila El Abbadi, Ibn Tofail University, Morocco
Prof. Manikandan N, Vellore Institute of Technology, India

Link: meet.google.com/xrs-ntdu-xpg

ID: 94

Improving Vehicle Classification and Detection with Deep Neural Networks

Ahmed Khaled, Abdullah Ibrahim, Ahmad Akram, Ahmed Khalid and Mohamed Gamal

ID: 95

Improvised multi-robot cooperation strategy for hunting a dynamic target

Oussama Hamed and Mohamed Hamlich

ID: 91

Design and Implementation of Parallel Pipelined Pulse-Doppler Radar on Parallel-Embedded Computing System

Abdessamad Klilou, Assia Arsalane, Mohamed Najoui and Said Belkouch

ID: 108

Application of fuzzy logic controller and PID optimization control strategy based on particle swarm optimization (PSO) for inventory management

Hicham Sarir

ID: 113

Application of SARIMA for Prediction of Water Storage Levels for a Metropolitan Area: Chennai, a Case Study

Aritra Dutta, Amlan Chakrabarti and Jyoti Gautam

ID: 57

Towards optimal spectral efficiency of cell free massive MIMO based linear precoding in 5G

Mohamed Zbairi, Imad Ez-Zazi and Mounir Arioua

ID: 99

Seizure Detection and Classification using different Decomposition Methods and Robust statistical Analysis from EEG Signals

Sumona S. Islam, Md. Sazal Miah, A.H.M. Zaididul Karim and Shikder Shafiul Bashar

ID: 116

Implementation of a decision system to control the company-supplier relationship in the era of industry 4.0

Kaoutar Jenoui

ID: 78

Real-Time Energy-Efficient Scheduling of Jobs and Maintenance in the Industry 4.0

Assia Sadiqi, Ikram El Abbassi, Abdellah El Barkany and Darcherif Moumen

ID: 50

On the Design of Functional Observers for Multi-Delayed Linear Systems

Ghali Naami, Mohamed Ouahi, El Houssaine Tissir, Abdelhamid Rabhi, and Ahmed Ech-charqy

02:00 pm – 05:00 pm
(GMT+1)

Oral Session S2.2: Communication and Information Technologies

Chairs S2.2: Prof. Pascal Dherbécourt, University of Rouen, France
Prof. Ala A. Hussein, Prince Mohammad Bin Fahd University, Kingdome of Saudi Arabia
Prof. Tomader Mazri, Ibn Tofail University, Morocco

Link: meet.google.com/mow-irot-bjg

ID: 40

The use of satellite in 5G networks: the technological step forward and perspectives due to the VIBeS project

Michele Luglio

ID: 41

Antonio Cilfone and Gianluigi Ferrari. A Modular Multi-interface Gateway for Heterogeneous IoT Networking

Emanuele Pagliari, Luca Davoli

ID: 64
Clustering the Customers by using K-means algorithm
Dalal Zaim, Aziza Benomar and Mostafa Bellafkih

ID: 111
A Survey of Methodologies for Natural Language Processing with Focus on Sustainability
Wazib Ansar, Saptarsi Goswami and Amlan Chakrabarti

ID: 65
Maciej Rybinski and José F. Aldana Montes. BERT for Arabic Named Entity Recognition
Chaimae Azroumahli, Yacine El Younoussi

ID: 2
Novel Hardware Architecture of EKF-SLAM's Jacobian matrices and its FPGA Implementation
Slama Hammia, Anas Hatim and Abellah Bouaaddi

ID: 81
Evaluation and Analysis of Robustness of Adversarial Examples Attacks in Deep Neural Networks
Asmaa Ftaimi and Tomader Mazri

ID: 89
Early Deep Detection for Diabetic Retinopathy
Abdelrahman Elzennary and Moustafa Soliman

ID: 110
An New Constrained Protocol S-CoAP Applied to Optimize COVID-19 Medical IOT Intelligent and Security-Based DATA Supervising Platform
Sanaa El Aidi, Mourad El Haidi, Mehdi Fdil, Abderrahim Bajit, Anass Barodi and Ahmed Tamtaoui

ID: 117
Landscape Change Detection Using Auto-optimized K-means Algorithm
Hiren Mewada, Jawad Al-Asad and Adil Khan

ID: 49
Operating models of Network protocols IoT: Short-range protocols
Sakina Elhadi, Marzak Abdelaziz and Sael Nawal

Oral Session S2.3: Electrical Technologies

Chairs S2.3: Prof. Ahmed Fawzy Daw, MSA University, Egypt
Prof. Majd Batarseh, Princess Sumaya University for Technology, Jordan
Prof. Khalid Nouneh, Ibn Tofail University, Morocco

Link: meet.google.com/oxk-xzsw-heg

ID: 42
Fuzzy Logic Controller to Obtain Stabilized Maximum Power in Photovoltaic System
Maroua Bouksaim, Mohamed Nabil Srifi and Yassin Acci

ID: 88
Efficient, stable and low-cost hole transporting layer for Perovskite solar cells
Luigi Vesce, Maurizio Stefanelli and Aldo Di Carlo

ID: 102
Early Fault Estimation of Inter-turn Short-circuit in Rotor Winding of WRIM using ANN-based Combined TSA and MCSA Technique
Hamza Sabir, Mohammed Ouassaid and Nabil Ngote

ID: 105
A Constrained Chaotic Flower Pollination Algorithm for solving ORPD Problem
Fatima Daqaq, Rachid Ellaia and Mohammed Ouassaid

ID: 66
Feasibility Study of Combined Cycle Power Plant in Context of Bangladesh
Md. Sazal Miah, Shishir Kumar Bhowmick, Md. Rezaul Karim Sohel and Md. Abdul Momen Swazal

ID: 93
Analysis on the Effectiveness of Vertical Axis Wind Turbine for Domestic Consumers
M. Sateesh Kumar, Y. V. Pavan Kumar, D. John Pradeep and Ch. Pradeep Reddy

		<p>ID: 7 <i>New Nine-Level PUC-NPC9 Inverter With Natural Balancing Of Capacitors Voltages</i> Abdelhay Sadiki Amari, Ayoub El Gadari, Abdezzahid Arbaoui and Youssef Ounejjar</p> <p>ID: 63 <i>Electric Appliance Classification and Identification based on Non-Intrusive Current Analysis</i> Mohammad Naim Uddin and Md. Tawfiq Amin</p> <p>ID: 1 <i>New Control of Non Linear Inverted Pendulum</i> Lalia Miloudi</p>
		Day 3 – Friday November 27th, 2020
Day 3 – Friday November 27th, 2020		<p>Plenary Speaker Session 3: Chairs: Prof. Amlan Chakrabarti, University of Calcutta, India Prof. Jaafar Alghazo, Prince Mohammad Bin Fahd University, Saudi Arabia Link: meet.google.com/fro-kvtr-oxb</p>
	10:00 am – 10:45 am (GMT+1)	<p>Speaker 1: Prof. Maziar Nekovee <i>University of Sussex, United Kingdom</i> "Laying the foundations of 6G Mobile Communication Networks "</p>
	10:45 am – 11:30 am (GMT+1)	<p>Speaker 2: Prof. Elisabetta Tedeschi <i>Norwegian University of Science and Technology, Norway</i> "Offshore energy systems: How innovation and integration are enabling the green shift"</p>
	11:30 am – 12:15 pm (GMT+1)	<p>Speaker 3: Prof. Rim Moussa <i>University of Carthage, Tunisia</i> "Transportation in the New Era of Data Intelligence: Challenges, Mandate, Experiences and Research Agenda"</p>
		Parallel Oral Sessions: 02:00 pm - 04:30 pm (GMT+1)

02:00 pm – 04:30 pm
(GMT+1)

Oral Session S3.1: Smart Systems

Chairs S3.1: Prof. Anas Abou El Kalam, Cadi Ayad University, Morocco
Prof. Samir El-Nakla, Prince Mohammad Bin Fahd University, Kingdom of Saudi Arabia
Prof. Imad Ez Zazi, University Sidi Mohamed Ben Abdellah, Morocco

Link: meet.google.com/xrs-ntdu-xpg

ID: 71

Estimation of performance and degradation levels using the MARKOV method

Kenza Berrada and Brahim Herrou

ID: 31

Predictive analysis using machine learning: Review of trends and methods

Patrick Loola Bokonda, Khadija Ouazzani-Touhami and Nissrine Souissi

ID: 98

Edge-Cloud Architectures Dedicated To Industrial IoT Monitoring And Control Applications

Marouane Salhaoui, Mounir Arioua, Antonio Guerrero Gonzalez, Juan Carlos Molina Molina, Ahmed El Oualkadi and Francisco J. Ortiz

ID: 43

A Comparative Study of the Implementation of SJF and SRT Algorithms on the GPU Processor Using CUDA

Youness Rtal and Abdelkader Hadjoudja

ID: 54

DOA and TOA of Network Adaptive Smart Antennas

El Fadl Adiba, Ihedrane Mohamed Amine and Bri Seddik

ID: 90

Design and Analysis of a RFID-Reader Microstrip Array Antenna for Indoor Localization Applications

Omaïma Benkhadda, Mohamed Saih, Kebir Chaji and Abdelati Reha

ID: 107

Raw material stock optimization and implementation of Kanban system

Samah Elrhanimi and Laila El Abbadi

ID: 29

Improving Memory Exploitation in M-health applications through Context-Aware System

Siham Belhadi and Rachid Merzougui

ID: 13

Lightweight blockchain network architecture for IoT devices

Salaheddine Kably, Mounir Arioua and Nabih Alaoui

ID: 103

An Optimized And Intelligent Security-Based Message Queuing Protocol S-MQTT Applied to Medical IOT COVID-19 DATA Monitoring Platforms

Sanaa El Aidi, Amine Rhbech, Hamza Lotfi, Abderrahim Bajit, Anass Barodi and Ahmed Tamtaoui

ID: 59

Applicability and integration of concrete additive manufacturing in the Moroccan construction industry, lacks and issues: a case study

Ramadany Mohamed

Oral Session S3.2: Communication and Information Technologies

Chairs S3.2: Prof. Mohammed Chaouki Abounaima, University Sidi Mohamed Ben Abdellah, Morocco
Prof. Ammar Alrashdan, Princess Sumaya University for Technology, Jordan
Prof. Ayoub Ait Lahcen, Ibn Tofail University, Morocco

Link: meet.google.com/mow-irot-bjg

ID: 26

Text To Code Conversion Using Deep Learning for NLP

Youssef Mellah, Zakaria Kaddari, Jamal Berrich, Toumi Bouchentouf and Mohammed Gaouth Belkasmi

ID: 114

A Miniaturized UWB Triangular Planar Antenna Inspired With Dual T-shaped and Single SRR Slots For WLAN and X-Band Filtrations

Mourad Elhabchi, Mohamed Nabil Srfi and Raja Touahni

ID: 115

Slotted Patch antenna with dual notched bands for UWB applications

Qaddi Mohamed Hamza, Bendali Abdelhak, Srfi Mohamed Nabil, Mharzi Hassan and Habibi Mohamed

ID: 82

A comparative study of road infrastructure and 5G-based cellular infrastructure in the case of a VANET network

Abdeslam Houari and Tomader Mazri

ID: 104

Ensuring high availability of private cloud services by integrating the IPV6 protocol

Samya Bouhaddour, Chaimae Saadi and Habiba Chaoui

ID: 112

Detection of Surface Water from Satellite Imagery Using Deep Learning with Indirect Proxy Based Label Collection Method

Riju Mukherjee, Danish Ahmed and Mujahir Hussain Abbasi

ID: 53

Design and simulation of a 4x4 beam former with a single crossover for 5G cellular network application

Abid-Reda El Wardi, Abdelhak Bendali, Abdellah Attalhaoui, Zahra Sahel, Sanae Habibi, Hayat El Abassi, Mohamed Habibi and Abdelkader Hadjoudja

ID: 56

Financial risk prediction approach based on Quantum neural networks

Atif Ouchen and El Habib Nfaoui

ID: 62

COVID-19 related Cybersecurity Issues: Fake Emails, Texts and Phishing

Karima El Hachimi, Sabah Boucht, My Hassan Charaf and Salma Azzouzi

ID: 12

Evaluating Recommender Systems when Applied to Arabic Content

Mehdi Srfi, Ahmed Oussous, Ayoub Ait Lahcen and Salma Mouline

ID: 119

Broadband Ring Dielectric Resonator Antenna for Satellite and 5G Applications

Jihad Ben Yamoun and Noura Aknin

		<p>Session S3.3: Electrical Technologies</p> <p>Chairs S3.3: Prof. Flah aymen, National Engineering School of Gabes, Tunisia Prof. Raad Al-Qassas, Princess Sumaya University for Technology, Jordan Prof. Rhazi Youssef, Sultan Moulay Slimane University, Morocco</p> <p>Link: meet.google.com/oxk-xzsw-heg</p> <p>ID: 19 <i>Design dual notched band UWB bandpass filter using hybrid technique and Split-Ring-Resonator</i> Hamza El Omari El Bakali, Hanae Elftouh, Alia Zakriti and Farkhsi Abdelkrim</p> <p>ID: 97 <i>Energy Modeling for a Differential Guide Mobile Robot Using Simscape</i> Said Fadlo, Nabila Rabbah and Hafid Ait Elmahjoub</p> <p>ID: 85 <i>A Compact SIW Bandpass Filter with Double slit Complementary Split Ring Resonator</i> Soufiane Achraou, Alia Zakriti, Abdelkarim Farkhsi, Souhaila Ben Haddi and Mohssine El Ouahabi</p> <p>ID: 86 <i>Enhanced Efficiency Of RF-DC Energy Conversion Using Tripler Technology</i> Intissar Hamzi, Moustapha El Bakkal, Mohamed Aghoutane and Naima Amar Touhami</p> <p>ID: 16 <i>Nonlinear Output Feedback Control of Bidirectional dc-dc Power Converter for V2X BEV Charger: Theoretical Analysis and Experimental Results</i> Kamal Rachid, Hassan El Fadil, Aziz Rachid, Tasnime Bouanou, Gaouzi Khawla and Fatima Zahra Belhaj</p> <p>ID: 55 <i>Design and electromagnetic Simulation of a 40 dBm Class-AB GaN power amplifier</i> Said El Khaldi, Moustapha El Bakkali, Mahmoud Moubadir, Mohamed Aghoutane, Naima Amar Touhami and Taj-Eddin Elhamadi</p> <p>ID: 51 <i>Autonomous solar USV with an automated launch and recovery system for UAV: State of the art and Design</i> Mohammed Aissi, Younes Moumen, Jamal Berrich, Toumi Bouchentouf, Mohammed Bourhaleb and Mohammed Rahmoun</p> <p>ID: 5 <i>Morphological properties of TiO₂ Nanotubes synthesized in different electrolytes by varying anodizing parameters</i> Djedjiga Hatem, Mohammed Said Belkaid and Henia Faroucene</p>
04:30 pm - 05:00 pm (GMT+1)		<p>Closing Ceremony</p> <p>Chair: Prof. Amlan Chakrabarti, University of Calcutta, India</p> <p>Link: meet.google.com/fro-kvtr-oxb</p> <p>Prof. Luciano Tarricone, ISAECT2020 General Co-chair Prof. Mounir Arioua, ISAECT2020 Organizing Committee Chair Prof. Jawad Al-Asad, ISAECT 2021 - General Co-Chair</p>

ISAECT2020, November 25th-27th, 2020, Ibn Tofail University, Morocco

