



5th International Conference on Smart and Sustainable Technologies

(September 23 - 26, 2020)

e-health
Smart
Cities
Energy
IoT

ACCEPTED PAPERS

	TECHNICAL PAPERS	
Title	Authors	Track name
<i>Ensemble Learning Approach to Power System Transient Stability Assessment</i>	Antonijo Kunac (University of Split, FESB, Croatia); Petar Sarajcev (University of Split, Croatia)	technical paper: Energy track
<i>A developed monitoring system for the grid tied PV station</i>	Rachid Dabou (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Nordine Sahouane (Unité de Recherche en Energies Renouvelables en Milieu Saharien URERMS, Algeria); Abderrezzaq Ziane (Renewable Energy Research Unit in the Saharan Region Adrar, Algeria); Ammar Necaibia (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Ahmed Bouraiou (URERMS, ADRAR, Algeria); Mohamed Blal (URERMS, CDER, Algeria); Seyfallah Khelifi (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Abdelkrim Rouabhia (Unité de Recherche en Energies Renouvelables en Milieu Saharien, adrar, Algeria)	technical paper: Energy track
<i>A New Electricity Distribution Network Fault Segmentation Framework</i>	Charith Silva (University of Salford, United Kingdom (Great Britain)); Mohamad Saraee (University of Salford, Manchester, United Kingdom (Great Britain))	technical paper: Energy track
<i>Understanding Temporal Patterns in Electricity Distribution Network Faults Using 2D and 3D Time-Series Calendar Heatmaps</i>	Charith Silva (University of Salford, United Kingdom (Great Britain)); Mohamad Saraee (University of Salford, Manchester, United Kingdom (Great Britain))	technical paper: Energy track

<i>A MILP-Based Iteration Method for Heat Exchanger Network Synthesis</i>	Bohong Wang (Brno University of Technology, Czech Republic); Hon Huin Chin, Petar Varbanov and Jiří Klemeš (Brno University of Technology – VUT Brno, Czech Republic)	technical paper: Energy track
<i>Ex-situ measurement of charge carrier concentration in Nafion by Hall effect</i>	Ivan Poljak and Paško Županović (University of Split, Croatia); Frano Barbir (University of Split, FESB, Croatia)	technical paper: Energy track
<i>Optimization of a Hedge-Algebra-Based Speed Controller in a Stand-Alone WECS</i>	Dinko Vukadinović (Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Croatia); Mateo Bašić (University of Split, FESB, Croatia); Nguyen Cat Ho (Duy Tan University, Vietnam); Nguyen T Duy (Thainguyen University of Technology, Vietnam); Nhu Lan Vu (Tang Long University); Matija Bubalo (Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Split, Croatia)	technical paper: Energy track
<i>Monitoring of Photovoltaic Systems: A case study URERMS Adrar</i>	Ahmed Bouraiou (URERMS, ADRAR, Algeria); Ammar Necaibia and Rachid Dabou (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Abderrezzaq Ziane (Renewable Energy Research Unit in the Saharan Region Adrar, Algeria); Nordine Sahouane (Unité de Recherche en Energies Renouvelables en Milieu Saharien URERMS, Algeria); Mohamed Blal (URERMS, CDER, Algeria); Seyfallah Khelifi (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Abdelkrim Rouabhia (Unité de Recherche en Energies Renouvelables en Milieu Saharien, adrar, Algeria)	technical paper: Energy track
<i>Study of photovoltaic cell degradation under rapid light variation</i>	Petru Adrian Cotfas and Daniel Tudor Cotfas (Transilvania University of Brasov, Romania); Sergiu Spataru (Technical University of Denmark, Denmark)	technical paper: Energy track
<i>Experimental investigation of exhaust emission from marine diesel engines</i>	Gojmir Radica (University of Split, Croatia); Nikola Račić (University of Split, Faculty of Maritime Studies, Croatia); Maro Jelić (University of Dubrovnik, Croatia); Luka Mihanović and Tino Sumić (NAVAL STUDIES, Croatia)	technical paper: Energy track
<i>Investigating Thermal Regeneration and Dehumidification Capabilities of DES Liquid Desiccant for Air Condition System</i>	Aklilu Tesfamichael Baheta and Patthi Hussain (Universiti Teknologi Petronas, Malaysia); Temidayo Oladosu (Universiti Teknologi Petronas, Malaysia)	technical paper: Energy track

<i>An adaptive data compression mechanism for Wireless Sensor Networks in the Smart Grid Scenarios</i>	Douglas Mendes (State University of Piaui, Brazil); Artur Veloso and Ricardo A. L. Rabelo (Federal University of Piaui (UFPI), Brazil); Joel J. P. C. Rodrigues (Federal University of Piauí (UFPI), Brazil & Instituto de Telecomunicações, Portugal); José dos Reis, Jr. (Federal University of Piaui, Brazil)	technical paper: Energy track
<i>Enhancing energy efficiency for photovoltaic cells using thermoelectric hybridization</i>	Daniel Tudor Cotfas and Petru Adrian Cotfas (Transilvania University of Brasov, Romania)	technical paper: Energy track
<i>Dynamic Multi-agent OpenADR Virtual Nodes for Distributed Demand Response Schemes</i>	Christos Patsonakis and Apostolos C. Tsolakis (Centre for Research and Technology Hellas, Greece); Dimosthenis Ioannidis and Dimitrios Tzovaras (Information Technologies Institute, Greece)	technical paper: Energy track
<i>IDEA Toolkit: Technology Enhanced Learning for Energy Poverty</i>	Evangelia Vanezi and Christos Mettouris (University of Cyprus, Cyprus); Alexandros Yeratziotis (University of Cyprus, unknown); Tomislav Tkalec (FOCUS Association for Sustainable Development, Slovenia); Ana Tesija (DOOR Society for Sustainable Development Design, Croatia); George Angelos Papadopoulos (University of Cyprus, Cyprus)	technical paper: Energy track
<i>Emission of diesel powered vehicle under real operating conditions-impact of emissions control system failure</i>	Ante Kozina (University of Split, FESB, Croatia); Gojmir Radica (University of Split, Croatia); Sandro Nizetic (University of Split, FESB, Croatia)	technical paper: Energy track
<i>Optimal Recommendation Strategy Identification towards Energy Efficiency in Tertiary Buildings</i>	Ilias Kalamaras (Information Technologies Institute - Centre for Research and Technology Hellas, Greece); Apostolos C. Tsolakis and Stelios Krinidis (Centre for Research and Technology Hellas, Greece); Dimitrios Tzovaras (Information Technologies Institute, Greece); Adamantia Chouliara (Centre for Research & Technology Hellas/ Information Technologies Institute, Greece)	technical paper: Energy track
<i>Efficient GaN Interface for emerging self-consumption scenarios in DC microgrids</i>	Massimo Merenda (University Mediterranea of Reggio Calabria, Italy); Giovanna Adinolfi (ENEA & University of Salerno, Italy); Demetrio Iero (University Mediterranea of Reggio Calabria, Italy); Angelo Merola and Giorgio Graditi (ENEA, Italy); Francesco G. Della Corte (University Mediterranea of Reggio Calabria, Italy)	technical paper: Energy track

<i>On the use of user profiles by forecasting the heat used for heating</i>	Tomasz Cholewa (Lublin University of Technology, Poland)	technical paper: Energy track
<i>A Brief Review of Formation Mechanisms, Properties and Affecting Factors of Combustion Chamber Deposits in Diesel Engines Using Biodiesel</i>	Pham Van Viet and Hoang Anh Tuan (Ho Chi Minh City University of Transport, Vietnam)	technical paper: Energy track
<i>Identification of New Wind Turbine Blade Geometry Using AHP: Parametric Analysis Approach</i>	Mojtaba Mirhosseini (Aalborg University, Denmark)	technical paper: Energy track
<i>Effect of Electrohydrodynamic (EHD) Drying Method on Properties of Kiwi Slices (Actinidia Chinensis)</i>	Mojtaba Mirhosseini (Aalborg University, Denmark)	technical paper: Energy track
<i>Natural convection of molten PCM in a finned enclosure used in PV/PCM systems</i>	Çağatay Yıldız and Muslum Arici (Kocaeli University, Turkey); Sandro Nizetic (University of Split, FESB, Croatia)	technical paper: Energy track
<i>Optimum Design of Desiccant Wheel and Evaluating the Solar Thermal Collector Performance, Case Study: Tehran</i>	Mojtaba Mirhosseini (Aalborg University, Denmark)	technical paper: Energy track
<i>Analysis of Thermoelectric Generators Thermally Connected in Serial and Parallel Combinations</i>	Ivan Škalic (University of Split, FESB, Croatia); Ivan Marinovic (University of Split, Croatia)	technical paper: Energy track
<i>Lasting and Spillover Effect of Ambient Eco-Feedback in the Office-based Workplace</i>	Diego Casado-Mansilla, Ane Irizar-Arrieta, Cruz E. Borges, Mikel Solabarrieta-Roman, Aratz Manterola-Lasa and Oihane Kamara-Esteban (University of Deusto, Spain); Apostolos C. Tsolakis and Stelios Krinidis (Centre for Research and Technology Hellas, Greece); Dimitrios Tzouvaras (Information Technologies Institute, Greece); Diego López-de-Ipiña (Deusto Institute of Technology - DeustoTech, University of Deusto, Spain)	technical paper: Energy track
<i>Energy Consumption in Public Buildings - A survey in Greece</i>	Asimina Dimara, Christos Timplalexis and Stelios Krinidis (Centre for Research and Technology Hellas, Greece); Konstantinos Arvanitis (Anonomi Etairia Ekmetalleyis Enallaktikon Morfon Energeias, Greece); Dimitrios Tzouvaras (Information Technologies Institute, Greece)	technical paper: Energy track

<i>Optimal Comfort Conditions in Residential Houses</i>	Asimina Dimara, Christos Timplalexis and Stelios Krinidis (Centre for Research and Technology Hellas, Greece); Christopher Schneider (Stadtwerk Hassfurt GmbH, Germany); Marco Bertocchi (Societa Elettrica Sopracenerina SA, Greece); Dimitrios Tzovaras (Information Technologies Institute, Greece)	technical paper: Energy track
<i>BMS-oriented model for Li-ion batteries with mixed SiOx/graphite anodes</i>	Sergio Rodriguez Cadavid (University of Bordeaux, Germany); Joerg Poehler and Niklas Bless (Robert Bosch GmbH, Germany); Jocelyn Sabatier (Université de Bordeaux, France); Patrick Lanusse (Université Bordeaux - IMS / IPB, France); Christophe Farges (Université de Bordeaux, France)	technical paper: Energy track
<i>A multiobjective-based approach for demand-side management in smart distribution grids</i>	Vitor A. C. C. Almeida (Federal University of Piauí (UFPI), Brazil); Igor Silva and Ricardo A. L. Rabelo (Federal University of Piauí (UFPI), Brazil); Joel J. P. C. Rodrigues (Federal University of Piauí (UFPI), Brazil & Instituto de Telecomunicações, Portugal); Petar Solic (University of Split & FESB, Croatia)	technical paper: Energy track
<i>A Multi-Objective Approach for Energy Management in a Microgrid Scenario</i>	Igor Silva and Ricardo A. L. Rabelo (Federal University of Piauí (UFPI), Brazil); Joel J. P. C. Rodrigues (Federal University of Piauí (UFPI), Brazil & Instituto de Telecomunicações, Portugal); Arthur Carvalho (Miami University, Farmer School of Business, USA)	technical paper: Energy track
<i>Methods for voltage sag source location by Cluster Algorithm and Decision Rule Labeling with a Comparative Approach of K-means and DBSCAN Clustering Algorithms</i>	José Lima Filho (Universidade Federal do Piauí, unknown & Universidade Estácio de Sá, Brazil); Fabbio Borges (USP, Brazil); Ricardo A. L. Rabelo (Federal University of Piauí (UFPI), Brazil); Ivan Silva (Federal University of Piauí, Brazil); Ricardo Teixeira Júnior (Estacio CEUT, Brazil); Antônio Oseas (Universidade Federal do Piauí, Brazil)	technical paper: Energy track
<i>Plastic Replacements: Win or Loss?</i>	Jiří Klemeš and Yee Van Fan (Brno University of Technology, Czech Republic)	technical paper: Energy track
<i>Variation in the Environmental Sustainability Performance of Bioenergy</i>	Yee Van Fan and Jiří Klemeš (Brno University of Technology, Czech Republic)	technical paper: Energy track
<i>Comparative study of a normal solar water heater and smart thermal/thermoelectric hybrid systems</i>	Faddouli Ali, Salah Fadili, Hicham Labrim and Bouchaib Hartiti (University Hassan II FSTM, Morocco)	technical paper: Energy track

<i>Distributed optimization of power profiles on a local energy community using blockchain</i>	Matthieu Stephant (HEI-Yncréa/L2EP, France); Kahina Hassam-Ouari (HEI - Yncréa, France); Dhaker Abbes (Ecole des Hautes Etudes d Ingénieur (HEI) Yncrea Hauts-de-France, France); Antoine Labrunie (Greenbirdie, France); Benoît Robyns (HEI-Yncréa/L2EP, France)	technical paper: Energy track
<i>Grid connected photovoltaic inverter modelization</i>	Amar Hadj Arab (CDER, Algeria)	technical paper: Energy track
<i>Analysis of Key Drivers and Challenges Facing Microgrid Deployment</i>	Micki Grover (Emerson Rosemount, USA); Ona Egbue (University of South Carolina Upstate, USA)	technical paper: Energy track
<i>Monitoring of occupant metabolic responses with application of wearable sensors</i>	Sandro Nizetic (University of Split, FESB, Croatia); Nikolina Pivac (FESB University of Split, Croatia); Filip Mustac (School of Medicine, University of Zagreb, Croatia); Vlasta Zanki (Director at HEP ESCO, Croatia)	technical paper: Energy track
<i>A novel building ventilated façade with integrated bifacial photovoltaic modules: analysis of the electrical and thermal performances</i>	Giuseppe Marco Tina (University of Catania, Italy); Fausto Bontempo Scavo (Università degli studi di Catania, Italy); Stefano Aneli (University of Catania, Italy); Antonio Gagliano (University of Catania & Italy, Italy)	technical paper: Energy track
<i>Solar Irradiance Measurement for a Thermo-Electric Hybrid Solar System</i>	Andrei Burta and Roland Szabo (Politehnica University Timisoara, Romania)	technical paper: Energy track
<i>Water Flow Measurement in the Pipes of a Thermo-Electric Hybrid Solar System</i>	Andrei Burta and Roland Szabo (Politehnica University Timisoara, Romania)	technical paper: Energy track
<i>Study on the Effect of Intake Flow by Various Intake Port Design on Small Motorcycles Engine</i>	Bambang Wahono (Indonesian Institute Of Sciences, Indonesia); Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track
<i>A study of optimisation NOx reduction quality with different types of urea injectors in an SCR system</i>	Muhammad Aditya Wardana (Indonesian Institute of Sciences (LIPI), Indonesia); Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track
<i>Performance evaluation and comparison according to pressure change of fuel pump using DME fuel</i>	Bumgi Baik and Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track
<i>The study of injection pressure on spray characteristic under GCI conditions using Gasoline-Biodiesel Blended and Gasoline-Lubricity Blended</i>	Kong Xiantian and Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track
<i>Investigation on pilot injection with various Start of Injection 2 (SOI2) and fuel injection pressure of GB20 fuel in common rail direct injection diesel engine</i>	Ardhika Setiawan (Graduate School of Mechanical Engineering, University of Ulsan, Korea (South)); Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track

<i>A study on the spray development under non-vaporizing condition using gasoline-biodiesel blend in constant volume combustion chamber</i>	Nguyen Duy and Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track
<i>An investigation on the performance characteristics of the electric bicycle using semi-automatic transmission</i>	Le Trong Hieu and Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track
<i>Estimation the influence of engine parameters on exhaust residual gas fraction of a V-twin engine</i>	Nguyen Xuan Khoa and Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track
<i>The effects of ignition timing on residual gas, effective release energy, engine power and engine emissions characteristics with different speed</i>	Quach Nhu Y and Ocktaeck Lim (University of Ulsan, Korea (South))	technical paper: Energy track
<i>Transient transition of high-speed and high-frequency ethanol droplet train impingement on the heated indium tin oxide (ITO) surface</i>	Baris Burak Kanbur (Nanyang Technological University & Singapore Centre for 3D Printing, Singapore); Lee Zhao Hui and Fei Duan (Nanyang Technological University, Singapore)	technical paper: Energy track
<i>CCHP Systems Analysis with Emphasis on Fuel Cells, Thermoelectricity and Power Converters</i>	Nganyang Paul Bayendang (Cape Peninsula University of Technology (CPUT) & Technical University of Sofia (TU-Sofia), South Africa); Mohammed T. E. Kahn and Vipin Balyan (Cape Peninsula University of Technology, South Africa); Ivo Draganov (Technical University of Sofia, Bulgaria)	technical paper: Energy track
<i>Barriers to Widespread the Adoption of Electric Flexibility Markets: A Triangulation Approach</i>	Koldo Zabaleta (Deusto Institute of Technology - DeustoTech, Spain); Diego Casado-Mansilla (University of Deusto, Spain); Evgenia Kapassa (University of Nicosia, Cyprus); Cruz E. Borges (University of Deusto, Spain); Guntram Preßmair (E-sieben, Austria); Marinos Themistocleous (University of Nicosia, Cyprus); Diego López-de-Ipiña (Deusto Institute of Technology - DeustoTech, University of Deusto, Spain)	technical paper: Energy track
<i>Introducing and numerical simulation of the Multi-Stage Inducing Duct; a duct for great augmentation in wind power</i>	Mojtaba Mirhosseini (Aalborg University, Denmark)	technical paper: Energy track
<i>BIODIESEL EXTRACTION FROM WASTE VEGETABLE COOKING OIL FOR UNRELIABLE GRIDS ACROSS DIFFERENT AREAS IN LEBANON</i>	Amira Fakh and Dima Fares (Phoenicia University, Lebanon)	technical paper: Energy track

<i>Comprehensive insights into the influence of climatic stress on building heating demand</i>	Fabrizio Ascione and Nicola Bianco (Università degli studi di Napoli Federico II, Italy); Gerardo Maria Mauro (Università degli studi del Sannio, Italy); Davide Ferdinando Napolitano (Università degli studi di Bergamo, Italy); Giuseppe Peter Vanoli (Università degli studi del Molise, Italy)	technical paper: Energy track
<i>Optimization of solar energy exploitation for a neighborhood towards nearly zero energy buildings</i>	Fabrizio Ascione and Nicola Bianco (Università degli studi di Napoli Federico II, Italy); Gerardo Maria Mauro (Università degli studi del Sannio, Italy); Davide Ferdinando Napolitano (Università degli studi di Bergamo, Italy); Giuseppe Peter Vanoli (Università degli studi del Molise, Italy)	technical paper: Energy track
<i>Sustainable energy system combined biogas-feed-Solid Oxide Fuel Cell and microalgae technology</i>	Araceli Fuerte, Rita Valenzuela and Paloma Ferreira-Aparicio (CIEMAT, Spain); Beata Bochentyn (Gdansk University, Poland)	technical paper: Energy track
<i>Feasibility studies of photovoltaic system of power 60 kW with storage in Riyadh and Hofuf region of Saudi Arabia</i>	Salah Ud-Din Khan (King Saud University, Saudi Arabia)	technical paper: Energy track
<i>Assessing the commonly used gaseous fuels considering both potential environmental impact and energy quantity</i>	Yaning Zhang and Wenming Fu (Harbin Institute of Technology, China); Gongnan Xie (Northwestern Polytechnical University, China); Bingxi Li (Harbin Institute of Technology, China)	technical paper: Energy track
<i>Behaviour of Fly ash Geopolymer at High Temperature</i>	Izabela Hager, Mateusz Sitarz and Katarzyna Mróz (Cracow University of Technology, Poland)	technical paper: Energy track
<i>Comprehensive analysis of key parameters for the city-scale natural gas consumption</i>	Dušan Bajatović (Faculty of Technical Sciences, Serbia); Aleksandar Andjelković (University of Novi Sad, Serbia)	technical paper: Energy track
<i>Improving the energy efficiency of school buildings by using passive design systems</i>	Dušan J. Ranđelović, Miomir Vasov and Marko Ignjatović (University of Niš, Serbia); M. Stojiljkovi (University of Nis, Serbia); Veliborka Bogdanović (University of Niš, Serbia)	technical paper: Energy track
<i>Bayesian optimization of external lightning protection system of HV substations</i>	Petar Sarajcev (University of Split, Croatia)	technical paper: Engineering Modelling
<i>Analysis of the Magnetic Field Distribution in Inductive Power Transfer Systems under the Influence of Aluminum Shielding</i>	Timo Lämmle (MAHLE International GmbH, Germany)	technical paper: Engineering Modelling

<i>Assessment of Incident Power Density at the Surface of Flat Lossy Medium in GHz Frequency Range - A case of Hertz dipole</i>	Dragan Poljak (University of Split, FESB, Croatia); Mario Cvetković (University of Split, Croatia)	technical paper: Engineering Modelling
<i>Time integration methods for flexible pendulum with slider</i>	Damir Sedlar, Željko Lozina and Andela Bartulovic (University of Split, Croatia)	technical paper: Engineering Modelling
<i>Specialized Vehicle CAN Bus Simulator: From Modelling to Validation</i>	Hrvoje Vdović (University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia); Jurica Babić (University of Zagreb & Faculty of Electrical Engineering and Computing, Croatia); Vedran Podobnik (University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia)	technical paper: Engineering Modelling
<i>Comparison of simple and full approach for non-associated formulation based on Karafillis-Boyce stress function</i>	Vedrana Cvitanić (University of Split, Croatia); Maja Džoja (University of Split & The Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Croatia)	technical paper: Engineering Modelling
<i>Evaluation of the transient problem integration in vicinity of resonance</i>	Željko Lozina, Damir Sedlar and Andela Bartulovic (University of Split, Croatia)	technical paper: Engineering Modelling
<i>Multi-zone engine combustion model calibration using genetic algorithms</i>	Nikola Matulic and Toni Šantić (University of Split FESB, Croatia); Gojmir Radica (University of Split, Croatia)	technical paper: Engineering Modelling
<i>Monte Carlo Method for Calculating the View Factor of Truncated Cone Radiators</i>	Mojtaba Mirhosseini (Aalborg University, Denmark)	technical paper: Engineering Modelling
<i>Calibration Strategy for Tunable Devices Based of Artificial Neural Network Modelling</i>	Leonardo Pantoli (University of L'Aquila, Italy); Alfiero Leoni (University of L'Aquila, Italy); Zlatica Marinković (University of Nis, Serbia)	technical paper: Engineering Modelling
<i>Numerical Solution and Uncertainty Quantification of Bioheat Transfer Equation Using Neural Network Approach</i>	Ante Lojić Kapetanović, Anna Susnjara and Dragan Poljak (University of Split, Croatia)	technical paper: Engineering Modelling
<i>A realistic case of study for comparison of MEERA data and those measured by SKTM for Adrar region</i>	Kamel Abdeladim (Centre de Développement des Energies Renouvelables, Algeria); Abdelhak Ali Razagui (Center of Development of Renewable Energy, Algeria); Smaïl Semaoui (Centre de Développement des Energies Renouvelables & (C D E R), Algeria); Amar Hadj Arab (CDER, Algeria)	technical paper: Engineering Modelling

<i>Power losses analysis of a three-phase quasi-Z-source inverter</i>	Ivan Grgić (University of Split, Croatia); Matija Bubalo (Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Split, Croatia); Dinko Vukadinović (Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Croatia); Mateo Bašić (University of Split, FESB, Croatia)	technical paper: Engineering Modelling
<i>Control strategy of Fuel cell-Battery hybrid system for optimizing Lift truck load cycle</i>	Gojmir Radica (University of Split, Croatia); Ivan Tolj (University of Split, Faculty of Elect. Eng., Mech. Eng. and Naval Arch., Croatia); Michael Lototskyy (University of the Western Cape, Croatia); Sivakumar Pasupathi (University of the Western Cape, South Africa)	technical paper: Engineering Modelling
<i>Neural network-integrated multiobjective optimization of the 3D-printed conformal cooling channels</i>	Baris Burak Kanbur (Nanyang Technological University & Singapore Centre for 3D Printing, Singapore); Suping Shen, Yi Zhou and Fei Duan (Nanyang Technological University, Singapore)	technical paper: Engineering Modelling
<i>Local Temperature Estimation in PEM Fuel Cell</i>	Anamarija Stoilova (Center of Excellence for Science and Technology, University of Split & FESB, University of Split, Croatia); Frano Barbir (University of Split, FESB, Croatia); Željko Penga (University of Split, Faculty of FESB, Croatia); Ivan Pivac (FESB, University of Split, Croatia)	technical paper: Engineering Modelling
<i>Vehicle Thermal Modelling for Improved Drive Cycle Analysis of a Generic City Bus</i>	Conor O'Boyle and Roy Douglas (Queen's University Belfast, United Kingdom (Great Britain)); Robert Best (Bamford Bus Company Ltd., United Kingdom (Great Britain)); Marco Geron (Queen's University Belfast, United Kingdom (Great Britain))	technical paper: Engineering Modelling
<i>Computational Fluid Dynamics Analysis and Experimental Validation of Propeller Flow</i>	Luka Mihanović (NAVAL STUDIES, Croatia); Jure Penga (University of Split, FESB, Croatia); Željko Penga (University of Split, Faculty of FESB, Croatia); Gojmir Radica (University of Split, Croatia)	technical paper: Engineering Modelling
<i>Computational fluid dynamics analysis of water spray cooling for photovoltaic panels</i>	Hrvoje Dedić-Jandrek (University of Split & Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Croatia); Željko Penga (University of Split, Faculty of FESB, Croatia)	technical paper: Engineering Modelling
<i>Exergy Analysis Of Hot-Windbox Repowering Option For A Coal-Fired Thermal Power Plant</i>	Mustafa Yilmazoglu (Gazi University, Turkey); Altug Alp Erdogan (Gazi University & Anadolu Plasma Technology Energy Center, Turkey)	technical paper: Engineering Modelling

<i>e-Health Monitoring System for Senior Citizens based on LoRa Technology</i>	Jose Paulo Lousado (CISeD - Polytechnic Institute of Viseu, Portugal); Sandra Antunes (CI&DEI, Portugal)	technical paper: Health track
<i>Efficient Spectrum Sensing for the Relay Based Cognitive Radio Network for Enhancing the Network Coverage for Wireless Patient Monitoring System</i>	Geoffrey Eappen (VIT Vellore, India); Shankar T (VIT Vellore, United Kingdom (Great Britain)); Rajagopal Nilavalan (Brunel University, London, United Kingdom (Great Britain))	technical paper: Health track
<i>NeuroGlasses: A Wearable Prototype for Early Detection of Neurological Symptoms</i>	Andrea Sciarrone, Igor Bisio, Chiara Garibotto, Fabio Lavagetto, Mehrnaz Hamedani, Valeria Prada, Silvia Stara and Angelo Schenone (University of Genoa, Italy); Federico Boero and Gianluca Gambari (FOS, Italy)	technical paper: Health track
<i>Pharmaceutical Supply Chain Management System using Blockchain and IOT Technology</i>	Bhargav Patel, Nikunj Prajapati, Shailendra Raj, Shlok Gadre and Gargi Chauhan (Sardar Vallabhbhai Patel Institute of Technology, India)	technical paper: Health track
<i>Improving Maternal Risk Analysis in Public Health Systems</i>	Silas Santiago Lopes Pereira (Federal Institute of Ceará, Brazil); Raimundo Valter Filho (IFCE, Brazil); Ronaldo Ramos (Instituto Federal de Educação Ciência e Tecnologia do Ceará, Brazil); Antonio Oliveira (Federal Institute of Ceara, Brazil); Mário W. L. Moreira (Federal Institute of Education, Science, and Technology of Ceará, Brazil); Joel J. P. C. Rodrigues (Federal University of Piauí (UFPI), Brazil & Instituto de Telecomunicações, Portugal); Petar Solic (University of Split & FESB, Croatia)	technical paper: Health track
<i>Modeling the Epidemic Outbreak and Dynamics of COVID-19 in Croatia</i>	Ante Lojić Kapetanović and Dragan Poljak (University of Split, Croatia)	technical paper: Health track
<i>Towards Wearable Dresses: Piezoelectric Glove Design and Test</i>	Iolanda Ulisse (University of L'Aquila, Italy); Stefano Ricci (Università L'aquila, Italy); Giuseppe Ferri (University of L'Aquila, Italy)	technical paper: Health track
<i>Advanced Architectures for IoT Scenarios</i>	Andriy Prof. Dr. habil. (Dr. Sci.II) Luntovskyy (BA Dresden University of Cooperative Education & Staatliche Studienakademie BA Dresden, Germany); Bohdan Shubyn (Lviv Polytechnic National University & ITRE, Ukraine)	technical paper: IoT symposium track

<i>Detecting partial shading in grid connected PV station using random forest classifier</i>	Abderrezzaq Ziane (Renewable Energy Research Unit in the Saharan Region Adrar, Algeria); Rachid Dabou (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Nordine Sahouane (Unité de Recherche en Energies Renouvelables en Milieu Saharien URERMS, Algeria); Ammar Necaibia (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Mohammed Mostefaoui and Ahmed Bouraiou (URERMS, ADRAR, Algeria); Abdeljalil Slimani (Renewable Energy Research Unit in the Saharan Region Adrar, Algeria); Abdelkrim Rouabhia (Unité de Recherche en Energies Renouvelables en Milieu Saharien, adrar, Algeria); Seyfallah Khelifi (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria)	technical paper: IoT symposium track
<i>Security challenges of Wi-Fi connected beer cooler and serving IIoT device</i>	Nikolina Kasunic and Dunja Bjelobrck Knezevic (Zagreb University of Applied Sciences, Croatia)	technical paper: IoT symposium track
<i>A data visualization solution for the smart city to exploit environmental data by means of 3d buildings</i>	Stefano Pino (Engineering Ingegneria Informatica Spa, Italy); Enza Giangreco, Davide Storelli, Marco Alessi and Alessio Camillò (Engineering Ingegneria Informatica S.p.A., Italy)	technical paper: IoT symposium track
<i>Data Management Mechanisms for IoT: Architecture, Challenges and Solutions</i>	Bassirou Diène and Ousmane Diallo (University of Assane Seck of Ziguinchor, Senegal); Joel J. P. C. Rodrigues (Federal University of Piauí (UFPI), Brazil & Instituto de Telecomunicações, Portugal); EL Malick Hadji Ndoeye (University of Assane Seck of Ziguinchor, Senegal); Ciprian Teodorov (ENSTA Bretagne, France)	technical paper: IoT symposium track
<i>PADL: a Language for the Operationalization of Distributed Analytical Pipelines over Edge/Fog Computing Environments</i>	Josu Díaz-de-Arcaya, Raúl Miñón, Ana Isabel Torre-Bastida and Javier Del Ser (TECNALIA, Basque Research and Technology Alliance (BRTA), Spain); Aitor Almeida (DeustoTech - Deusto Institute of Technology, Spain)	technical paper: IoT symposium track
<i>Low-cost LoRaWAN Jammer</i>	Toni Perkovic (University of Split, FESB, Croatia); Dino Sirišević (University of Split, Croatia)	technical paper: IoT symposium track

<i>Innovative classification of dolphins using deep neural networks and GrabCut</i>	Vito Renò (STIIMA CNR - Bari, Italy); Gennaro Gala, Pierluigi Dibari and Roberto Carlucci (University of Bari, Italy); Carmelo Fanizza (Jonian Dolphin Conservation, Italy); Giovanna Castellano and Gennaro Vessio (University of Bari, Italy); Giovanni Dimauro (Universita' di Bari & Dipartimento di Informatica, Italy); Rosalia Maglietta (Institute of Intelligent Systems for Automation - National Research Council, Italy)	technical paper: IoT symposium track
<i>A Rapid Prototyping Approach in Industry4.0 based on Secure Hardware and Azure Sphere Cloud</i>	Ilaria Sergi (University of Salento, Italy); Luca Cremona and Nicola Carrus (ROLD, Italy); Luigi Patrono (University of Salento, Italy)	technical paper: IoT symposium track
<i>A Novel Approach based on Microservices Architectures and Computer Vision to improve access to Culture Heritage</i>	Marco La Franca, Luca Marino and Leonardo Martorana (ARANCIA-ICT, Italy); Marco Leo (National Research Council of Italy, Italy); Pierluigi Carcagni and Cosimo Distante (CNR, Italy); Ilaria Sergi and Luigi Patrono (University of Salento, Italy)	technical paper: IoT symposium track
<i>Integrating BIM and IoT Technologies in Innovative Fire Detection Systems</i>	Ilaria Sergi and Ada Malagnino (University of Salento, Italy); Roberto Rosito and Vincenzo Lacasa (ITS, Italy); Angelo Corallo (unknown); Luigi Patrono (University of Salento, Italy)	technical paper: IoT symposium track
<i>Risk Management and Healthcare: IoT Technologies and Smart Monitoring System for a Good Cold Chain Management</i>	Teresa Bengiovanni (Local Health Authority of Matera, Italy); Roberto Rosito and Vincenzo Lacasa (ITS, Italy); Eugenio Simone (Local Health Authority of Matera, Italy); Ilaria Sergi (University of Salento, Italy); Vincenzo Iacovone (ITS, Italy); Michele Viggiano (Authority of Matera, Italy); Luigi Patrono (University of Salento, Italy)	technical paper: IoT symposium track
<i>Performance Evaluation of Indoor Positioning Systems based on Smartphone and Wearable Device</i>	Luca Fasano, Ilaria Sergi and Piercosimo Rametta (University of Salento, Italy); Aritz Bilbao (DEUSTO, Italy); Aitor Almeida (DeustoTech - Deusto Institute of Technology, Spain); Luigi Patrono (University of Salento, Italy)	technical paper: IoT symposium track
<i>A New Approach to Monitor Sarcopenic Patients based on IoT Technologies</i>	Francesco Ciliberti, Francesco Giusto and Luigi Accetta (Intellego, Italy); Giuseppe Vergari, Ilaria Sergi and Luigi Patrono (University of Salento, Italy)	technical paper: IoT symposium track
<i>IoT-DDL: Device Description Language for a Programmable IoT</i>	Wyatt Lindquist (Lancaster University, United Kingdom (Great Britain)); Ahmed Khaled (Northeastern Illinois University, USA); Sumi Helal (Lancaster University, United Kingdom (Great Britain))	technical paper: IoT symposium track

<i>RhinoSmart: a smartphone based system for rhino-cell segmentation</i>	Giovanni Dimauro (Universita' di Bari & Dipartimento di Informatica, Italy); Davide Di Pierro (Università di Bari - Dipartimento di Informatica, Italy); Rosalia Maglietta (Institute of Intelligent Systems for Automation - National Research Council, Italy); Vito Renò (STIIMA CNR - Bari, Italy); Danilo Caivano (Università di Bari, Italy); Matteo Gelardi (Università di Foggia, Italy)	technical paper: IoT symposium track
<i>Application of IoT technology for the improvement of quality of life in isolated places</i>	Hrvoje Rudeš, Damir Kljajić and Zoran Civadelic (Ericsson Nikola Tesla, Croatia)	technical paper: IoT symposium track
<i>Automation using IoT technologies and 3D ToF cameras in smart environment</i>	Monika Barišić (FESB & Ericsson Nikola Tesla, Croatia); Hrvoje Rudeš and Zoran Civadelic (Ericsson Nikola Tesla, Croatia)	technical paper: IoT symposium track
<i>Self Attention based multi branch Network for Person Re-Identification</i>	Asad Munir and Christian Micheloni (University of Udine, Italy)	technical paper: IoT symposium track
<i>Performance evaluation of LoRa LPWAN technology for mountain Search and Rescue</i>	Giulio M. Bianco (University of Roma Tor Vergata, Italy); Abraham Mejia-Aguilar (EURAC Research, Italy); Gaetano Marrocco (University of Rome Tor Vergata, Italy)	technical paper: IoT symposium track
<i>Overview of JavaScript Engines for Resource-Constrained Microcontrollers</i>	Kai Grunert (Technische Universität Berlin & Telekom Innovation Laboratories, Germany)	technical paper: IoT symposium track
<i>An Affordable Vehicle-Mounted Sensing Solution for Mobile Air Quality Monitoring</i>	Pedro Santana (ISCTE - Instituto Universitário de Lisboa, Portugal); Alexandre P Almeida (ISCTE-IUL & Instituto de Telecomunicações, Portugal); Pedro. L Mariano (ISCTE-IUL, Portugal); Carolina Correia, Vânia Martins and Marta Almeida (Centro de Ciências e Tecnologias Nucleares, Instituto Superior Técnico, Portugal)	technical paper: IoT symposium track
<i>Pollution Prediction Model Using Data Collected by a Mobile Sensor Network</i>	Pedro. L Mariano (ISCTE-IUL, Portugal); Pedro Santana (ISCTE - Instituto Universitário de Lisboa, Portugal)	technical paper: IoT symposium track
<i>Blockchain based Device identity management and authentication in a Smart Grid</i>	Vasudev Dehalwar (Victoria University, Australia); Mohan Kolhe (University of Agder, Norway)	technical paper: IoT symposium track
<i>Smart Malware Detection: From Signatures to Artificial Intelligence</i>	Jannatul Ferdaos, Chandani Vaya, Anchal Bhalla and Ami Tharayil (University of Wollongong in Dubai, United Arab Emirates); May El Barachi (University of Wollongong Dubai, United Arab Emirates)	technical paper: IoT symposium track

<i>Smart Gate: a Modular System for Occupancy and Environmental Monitoring of Spaces</i>	Edoardo Longo, Alessandro E. C. Redondi, Patrizia Bolzan, Massimo Bianchini and Stefano Maffei (Politecnico di Milano, Italy)	technical paper: IoT symposium track
<i>Integration of Safety Means with Functions of Blockchain in Multi-layered Architecture of IoT for Safer Data Transmission Procedures</i>	Raimundas Savukynas (Mr., Lithuania)	technical paper: IoT symposium track
<i>A Smart Pill Dispenser to support Elderly People in Medication Adherence</i>	Simone Casciaro, Lucio Massa, Ilaria Sergi and Luigi Patrono (University of Salento, Italy)	technical paper: IoT symposium track
<i>Passive Enhancement of Read Range of Miniaturized UHF RFID Tags</i>	Imbolatiana Rakotomalala (University of Grenoble Alpes, France); Pierre Lemaitre-Auger (Institut Polytechnique de Grenoble & LCIS, France); Smail Tedjini (University Grenoble Alpes, France)	technical paper: RFID symposium track
<i>Strategies for Synchronously Reading Microwave Encoders and Application to Sensors for Motion Control</i>	Ferran Paredes (Universitat Autònoma de Barcelona, Spain); Cristian Herrojo (Universitat Autònoma de Barcelona, Spain); Ferran Martín (Universidad autónoma de Barcelona, Spain)	technical paper: RFID symposium track
<i>Indoor Object Positioning using Smartphone and RFID or QR Code</i>	Riccardo Carotenuto (University "Mediterranea" of Reggio Calabria, Italy); Massimo Merenda, Demetrio Iero and Francesco G. Della Corte (University Mediterranea of Reggio Calabria, Italy)	technical paper: RFID symposium track
<i>Experimentation and calibration of Near-Field UHF Epidermal Communication for emerging Tactile Internet</i>	Giulio M. Bianco (University of Roma Tor Vergata, Italy); Cecilia Vivarelli (University of Rome Tor Vergata, Italy); Sara Amendola (University of Rome Tor Vergata & Radio6ense srl, Italy); Gaetano Marrocco (University of Rome Tor Vergata, Italy)	technical paper: RFID symposium track
<i>SAR-based Localization of UHF-RFID Tags in Smart Warehouses</i>	Fabio Bernardini, Andrea Motroni, Paolo Nepa, Alice Buffi and Bernardo Tellini (University of Pisa, Italy)	technical paper: RFID symposium track
<i>Augmented Information Discovery using NFC Technology within a Platform for Disaster Monitoring</i>	Massimo Merenda, Rosario Fedele, Filippo G. Pratico and Demetrio Iero (University Mediterranea of Reggio Calabria, Italy); Riccardo Carotenuto (University "Mediterranea" of Reggio Calabria, Italy); Francesco G. Della Corte (University Mediterranea of Reggio Calabria, Italy)	technical paper: RFID symposium track
<i>A Robust Wearable Textile SIW RFID Antenna</i>	Giovanni Andrea Casula (Università di Cagliari, Italy); Giorgio Montisci and Giacomo Muntoni (University of Cagliari, Italy); Hendrik Rogier (Ghent University, Belgium)	technical paper: RFID symposium track
<i>Compact Quasi-Yagi Reader Antenna for UHF RFID Smart-Glove</i>	Rajesh K Singh, Andrea Michel and Paolo Nepa (University of Pisa, Italy); Alfredo Salvatore (Sensor ID, Italy)	technical paper: RFID symposium track

<i>A machine learning approach to improve UHF RFID gate operation</i>	Javier Vales-Alonso (Universidad Politécnica de Cartagena, Spain); Pablo Lopez-Matencio (Technical University of Cartagena, Spain); Juan Jose Alcaraz (Universidad Politécnica de Cartagena, Spain)	technical paper: RFID symposium track
<i>Digital Light Processing as One of the Promising 3D Printing Technologies in Electromagnetics: Application on RFID</i>	Riccardo Colella (National Research Council (CNR), Italy); Francesco P. Chietera and Luca Catarinucci (University of Salento, Italy)	technical paper: RFID symposium track
<i>Determination of Average Bit Error Probability of Macrodiversity System in Shadowed Fading Environment Using Moment Generating Function</i>	Vesad Doljak and Dragana Krstić (Faculty of Electronic Engineering, University of Niš, Serbia); Samir Konicanin (University of Nis, Faculty of Electronic Engineering, Serbia); Suad Suljovic (Faculty of Electronic Engineering, University of Niš, Serbia); Mihajlo Stefanović (University of Nis, Serbia)	technical paper: RFID symposium track
<i>Multiscale Optical PM2.5 Particles Recognition System in Air Pollution Research</i>	Andrey N. Kokoulin (Perm National Research Polytechnical University & Federal Scientific Center for Medical and Preventive Health Risk Management Technologies, Russia); Aleksandr A. Yuzhakov (PNIPU, Russia); Rostislav Kokoulin (Bauman Moscow State Technical University, Russia)	technical paper: Smart City/Environment
<i>Autonomous Underwater Vehicle Actuators Health Monitoring for Smart Harbour Application</i>	Massimiliano Menghini, Luca De Marchi and Paolo Castaldi (University of Bologna, Italy); Silvio Simani (University of Ferrara, Italy)	technical paper: Smart City/Environment
<i>Detecting Underwater Sea Litter Using Deep Neural Networks: An Initial Study</i>	Josip Music, Stanko Kruzic and Ivo Stancic (University of Split, Croatia); Floris Alexandrou (UCLan University, Cyprus)	technical paper: Smart City/Environment
<i>Parking Lot Profiling Analysis: the City of Split Use Case</i>	Goran Jelen (Faculty of Electrical Engineering and Computing, Croatia); Vedran Podobnik (University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia); Jurica Babic (University of Zagreb & Faculty of Electrical Engineering and Computing, Croatia)	technical paper: Smart City/Environment
<i>Evaluating Citizens' Sentiments in Smart Cities: A Deep Learning Approach</i>	Abdallah Elabora (British University in Dubai, United Arab Emirates); Manar Alkhatib (The British University in Dubai, United Arab Emirates); Sujith Samuel Mathew (Zayed University, United Arab Emirates); May El Barachi (University of Wollongong Dubai, United Arab Emirates)	technical paper: Smart City/Environment

<i>Using Artificial Intelligence to Monitor the Evolution of Opinion Leaders' Sentiments: Case Study on Global Warming</i>	Manar Alkhatib (The British University in Dubai, United Arab Emirates); May El Barachi (University of Wollongong Dubai, United Arab Emirates); Sujith Samuel Mathew (Zayed University, United Arab Emirates); Farhad Oroumchian (University of Wollongong in Dubai, Iran)	technical paper: Smart City/Environment
<i>Model for optimal transition towards a fully electric public transportation system</i>	Josip Vasilj (University of Split, Croatia); Damir Jakus (University of Split & Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, Croatia); Petar Sarajcev (University of Split, Croatia); Anders Grauers (Chalmers University of Technology, Sweden)	technical paper: Smart City/Environment
<i>A Flexible System for Optimizing Green Spaces Irrigation</i>	Sofia D Silva, Telmo Cardoso, Paulo Barros and Henrique Ribeiro (Departamento de Informática, Universidade do Minho, Portugal); Paulo Carvalho (Centro Algoritmi, Universidade do Minho, Portugal); Solange Rito Lima (Centro Algoritmi, University of Minho, Portugal)	technical paper: Smart City/Environment
<i>Multi-Response Methodology for the optimal elimination of Fe (III) from industrial wastewater by adsorption using activated carbon from olive stone waste</i>	Marina Corral Bobadilla and Ruben Lostado Lorza (University of La Rioja, Spain); Fátima Somovilla Gómez (ASOCIIR, Spain); Rubén Escribano García (IK4-LORTEK, Spain); Eliseo P. Vergara González (University of Oviedo, Spain)	technical paper: Smart City/Environment
<i>Stock&Buy: A New Demand Forecasting Tool For Inventory Control</i>	Fatima Zohra Benhamida (Ecole Nationale Supérieure en Informatique & Laboratoire des Méthodes de Conception des Systèmes, Algeria); Ouahiba Kaddouri (Ecole Nationale Supérieure d'Informatique, Algeria); Tahar Ouhrouche and Mohamed Benaichouche (Stock&Buy, Norway); Diego Casado-Mansilla (University of Deusto, Spain); Diego López-de-Ipiña (Deusto Institute of Technology - DeustoTech, University of Deusto, Spain)	technical paper: Smart City/Environment
<i>The occupants' comfort in non-residential nearly Zero Energy Buildings in the 21st century: A review</i>	Panagiota Antoniadou, Konstantinos Papakostas and Agis M. Papadopoulos (Aristotle University of Thessaloniki, Greece)	technical paper: Smart City/Environment
<i>A Live Smart Parking Demonstrator: Architecture, Data Flows and Deployment</i>	Moussa Coulibaly (ENSEM, NEST Team, Morocco); Ahmed Errami (ENSEM, Hassan II University, Morocco); Sofia Belkhala (ENSEM & FRDISI, Morocco); Hicham Medromi (ENSEM, Hassan II University, Morocco)	technical paper: Smart City/Environment

<i>Blockchain-mediated Collaboration of Citizens in Open Government Processes</i>	Mikel Emaldi (Deusto Institute of Technology - DeustoTech, University of Deusto, Spain); Koldo Zabaleta and Ibai Guillén (Deusto Institute of Technology - DeustoTech, Spain); Diego López-de-Ipiña (Deusto Institute of Technology - DeustoTech, University of Deusto, Spain)	technical paper: Smart City/Environment
<i>UnsServ: unstructured peer-to-peer library for deploying services in smart environments</i>	Aratz Manterola-Lasa and Diego Casado-Mansilla (University of Deusto, Spain); Diego López-de-Ipiña (Deusto Institute of Technology - DeustoTech, University of Deusto, Spain)	technical paper: Smart City/Environment
<i>Air Quality Visual Analytics with Kibana</i>	Dessislava Georgieva Petrova-Antonova (Sofia University "St. Kliment Ohridski", Bulgaria); Stefan Baychev and Irena Pavlova (SU "St. Kl. Ohridski", Bulgaria); Georgi Pavlov (University of Cologne, Germany)	technical paper: Smart City/Environment
<i>An Investigation Of The Greenhouse Gas Emissions In European Countries Buildings According To The Life-Cycle</i>	Ismail Caner (Mühendislik Fakültesi Makine Mühendisliği Bölümü Bigadiç Yolu 17. Km Çağış Kampüsü, Turkey); Okan Kon (Balıkesir University, Turkey)	technical paper: Smart City/Environment
<i>A Thermal Control Methodology Based on a Multiple Linear Regression Predictive Model for Indoor Heating</i>	Makram Abdellatif (University of Artois & Yncréa HEI, France); Julien Chamoin and Jean-Marie Nianga (Yncréa HEI, France); Didier Defer (University of Artois, France)	technical paper: Smart City/Environment
<i>City Complain Collection App through Image (Click to Fix)</i>	Dibash Adhikari (Pohang University of Science and Technology, Korea (South)); Ju Hong Park (Pohang University of Science and Technology & Yonsei University, Korea (South))	technical paper: Smart City/Environment
<i>A deep reinforcement learning scheme for battery energy management</i>	Sven Myrdahl Opalic (University of Agder & Login Eiendom AS, Norway); Morten Goodwin (University of Agder, Norway); Lei Jiao (University of Agder & Department of Information and Communication Technology, Norway); Henrik Nielsen and Mohan Kolhe (University of Agder, Norway)	technical paper: Smart Distributed Electri
<i>Frequency Regulation of Hybrid Power System by Optimized Adaptive Fuzzy PID Controller</i>	Mohan Kolhe (University of Agder, Norway)	technical paper: Smart Distributed Electri
<i>Adaptive Energy Management Strategy for Optimal Power Flow Control of Hybrid DC Microgrid</i>	K Raghavendra Naik, Bhooshan Rajpathak and Arghya Mitra (Visvesvaraya National Institute Of Technology, India); Mohan Kolhe (University of Agder, Norway)	technical paper: Smart Distributed Electri

<i>Priority based coordinated charging scheme for homogeneous and heterogeneous electric vehicles plugged in a smart grid</i>	Sandun Konara (University of Agder & Faculty of Engineering and Science, Norway); Mohan Kolhe (University of Agder, Norway)	technical paper: Smart Distributed Electri
<i>Techno-Economic Case Study of Microgrid System at Soccer Club's Skagerak Arena in Norway</i>	Arvind Sharma (University of Agder & TERI, Norway); Mohan Kolhe (University of Agder, Norway)	technical paper: Smart Distributed Electri
<i>Drone applications in transportation</i>	Drazen Cvitanic (Lovretska 19 & University of split, Faculty of Civil Engineering, Architecture and Geodesy, Croatia)	Technical paper: Aerotech and Aerospace
<i>Information Model for Evaluation and Selection of Instructor Pilots for Smart City Urban Air Mobility</i>	Róbert Rozenberg (Technical University of Košice, Slovakia); Hélia Némethová (Technical University of Košice & Faculty of Aeronautics, Slovakia); Martin Kelemen (SYTELI, Slovakia); Stanislav Szabo and Jaroslav Jevčák (Technical University of Košice, Slovakia); Danijel Vuković (ELEVON Tehnologije, Croatia); Volodymyr Polishchuk (Uzhgorod National University, Ukraine); Ladislav Choma (Technical University of Košice, Slovakia)	Technical paper: Aerotech and Aerospace
<i>Municipality Management and Model of Evaluation and Selection of the Expert Group Members for Smart City Transportation and Mobility including UAV/UAS</i>	Miroslav Kelemen (Technical University of Košice, Slovakia); Hélia Némethová (Technical University of Košice & Faculty of Aeronautics, Slovakia); Martin Kelemen (SYTELI, Slovakia); Volodymyr Polishchuk (Uzhgorod National University, Ukraine); Jaroslav Jevčák (Technical University of Košice, Slovakia); Danijel Vuković (ELEVON Tehnologije, Croatia); Ihor Liakh (Uzhgorod National University, Ukraine); Ladislav Choma (Technical University of Košice, Slovakia)	Technical paper: Aerotech and Aerospace
<i>The climate change at Košice International Airport in 2019</i>	Hélia Némethová (Technical University of Košice & Faculty of Aeronautics, Slovakia); Matej Antoško (Technical University of Košice, Slovakia); Danijel Vuković (ELEVON Tehnologije, Croatia); Ladislav Choma, Marek Pilát, Imrich Harčák, Patrik Šváb and Sebastian Makó (Technical University of Košice, Slovakia)	Technical paper: Aerotech and Aerospace

<i>Electronic Education in Aviation Technical Personnel Education</i>	Stanislav Ďurčo, Martin Schrötter, Dávid Megyesi and Jakub Leško (Technical University of Košice, Slovakia); Danijel Vuković (ELEVON Tehnologije, Croatia); Róbert Bréda and Róbert Rozenberg (Technical University of Košice, Slovakia); Hélia Némethová (Technical University of Košice & Faculty of Aeronautics, Slovakia)	Technical paper: Aerotech and Aerospace
<i>Use of progressive cement-concrete mixtures for runway construction and repair</i>	Stanislav Szabo, Patrik Šváb, Michaela Kešel'ová, Dorota Liptáková and Peter Koščák (Technical University of Košice, Slovakia); Danijel Vuković (ELEVON Tehnologije, Croatia); Hélia Némethová (Technical University of Košice & Faculty of Aeronautics, Slovakia)	Technical paper: Aerotech and Aerospace
<i>The Research Methodology of the Impact of Self-regulatory Methods on Pilot's Performance - Partial Results</i>	Peter Kalavsky and Matej Antoško (Technical University of Košice, Slovakia); Danijel Vuković (ELEVON Tehnologije, Croatia); Branko Mikula, Jozef Sabo, Róbert Rozenberg and Pavol Petříček (Technical University of Košice, Slovakia); Hélia Némethová (Technical University of Košice & Faculty of Aeronautics, Slovakia)	Technical paper: Aerotech and Aerospace
<i>Economic comparison of UAV's and helicopters used for terrain mapping</i>	Jozef Sabo, Marek Pilát, Stanislav Szabo and Peter Dzurovčín (Technical University of Košice, Slovakia); Danijel Vuković (ELEVON Tehnologije, Croatia); Sebastian Makó and Alica Tobisová (Technical University of Košice, Slovakia); Hélia Némethová (Technical University of Košice & Faculty of Aeronautics, Slovakia)	Technical paper: Aerotech and Aerospace
<i>Application of YOLO algorithm on SUAV</i>	Alen Grebo (University of Split Faculty of Electrical Engineering Mechanical Engineering and Naval Architecture, Croatia); Toni Konsa (University of Split, Croatia); Goran Gasparovic (UNIST-FESB, Croatia); Branko Klarin (University of Split, FESB, Croatia)	Technical paper: Aerotech and Aerospace
<i>Person Detection in Drone Imagery</i>	Sasa Sambolek (High School Tina Ujevica Kutina, Croatia); Marina Ivasic-Kos (University of Rijeka, Croatia)	Technical paper: Aerotech and Aerospace
<i>The drone air-path development</i>	Branko Klarin (University of Split, FESB, Croatia); Goran Gasparovic (UNIST-FESB, Croatia); Ďani Vrsalović (University of Split, Croatia); Mišo Jurčević (University of Split, FESB, Croatia)	Technical paper: Aerotech and Aerospace
<i>Setting up Integrated Safety Management System for Petrochemical Industry in Korea</i>	Kyoshik Park and Byungjik Kim (Soongsil University, Korea (South))	technical short paper

<i>Revamped Electric energy meter against higher utility prices</i>	Meer Zafarullah Noohani (Mehran University of Engineering and Technology SZAB Campus Khairpur Mir's Sindh, Pakistan); Aamir khan Channa (Mehran University of Engineering and Technology, Pakistan); Usama Qureshi (Mehran University of Engineering and Technology SZAB Campus Khairpur Mir's Sindh, Pakistan); Kaleem Ullah Magsi (Mehran University of Engineering and Technology, Pakistan)	technical short paper
<i>Impact of grid voltage rise on the energy efficiency of a 28 kWp photovoltaic grid-connected system: A case study Adrar</i>	Nordine Sahouane (Unité de Recherche en Energies Renouvelables en Milieu Saharien URERMS, Algeria); Rachid Dabou (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Abderrezzaq Ziane (Renewable Energy Research Unit in the Saharan Region Adrar, Algeria); Ammar Necaibia (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria); Ahmed Bouraiou (URERMS, ADRAR, Algeria); Abdelkrim Rouabhia (Unité de Recherche en Energies Renouvelables en Milieu Saharien, adrar, Algeria); Mohamed Blal (URERMS, CDER, Algeria); Seyfallah Khelifi (Unité de Recherche en Energies Renouvelables en Milieu Saharien, Algeria)	technical short paper
<i>Unconventional Audio Signal Processing: Aloe Vera Summing and Panning</i>	Zlatko Barackai (UWE Bristol, United Kingdom (Great Britain)); Marija Šumarac (University of Arts in Belgrade, Serbia); Nicoletta Saulig (University of Pula, Croatia)	technical short paper
<i>Advanced Driving Assistance System based on Raspberry Pi</i>	Ramzi Mosbah (University of Batna, Algeria)	technical short paper
<i>Towards a Compact UHF RFID Reader for Wearable Bio-sensing devices</i>	Andrew J Mugisha and Amin Rigi (University of Edinburgh, United Kingdom (Great Britain)); Rahil Joshi (Heriot Watt University, United Kingdom (Great Britain)); Andreas Tsiamis (University Of Edinburgh, United Kingdom (Great Britain)); Symon Podilchak and Srinjoy Mitra (University of Edinburgh, United Kingdom (Great Britain))	technical short paper
<i>Electronic Sensory System for Structural Health Monitoring Applications</i>	Romina Paolucci, Mirco Muttillio, Michael Di Luzio, Rocco Alaggio and Giuseppe Ferri (University of L'Aquila, Italy)	technical short paper
<i>SMR integration and increase of CO2 production - Stage 5 -</i>	Marcelo Tagliabue (Air Liquide Argentina, Argentina)	technical short paper

<i>Dry reforming of methane over Ni-Ru/MgAl₂O₄ catalyst with high coke resistance for syngas production</i>	Dahye Song (Korea Institute of Energy Research & Korea University, Korea (South)); Unho Jung and Hyo Been Im (Korea Institute of Energy Research, Korea (South)); Ki Bong Lee (Korea University, Korea (South)); Kee Young Koo (Korea Institute of Energy Research, Korea (South))	technical short paper
<i>People Number Scanner Made on iPhone for Avoiding Big Crowds</i>	Andrei Burta and Roland Szabo (Politehnica University Timisoara, Romania)	technical short paper
	PROFESSIONAL PAPERS	
Title	Authors	Track name
<i>Analysis Of Power System Blackouts And Their Solutions</i>	Shoaib Rauf (University of Gujrat, Pakistan); Ali Raza Kalair (Swinburne University of Technology, Melbourne, Australia); Naeem Abas (University of Gujrat, Pakistan); Nasrullah Khan (COMSATS Institute of Information Technology, Pakistan); Mehdi Seyedmahmousian and Alex Stojcevski (Swinburne University of Technology, Australia)	professional papers
<i>Live Load Management in Microgrid Using WiFi Controlled IoT Devices</i>	Ali Raza Kalair (Swinburne University of Technology, Melbourne, Australia); Mehdi Seyedmahmousian (Swinburne University of Technology, Australia); Shoaib Rauf and Naeem Abas (University of Gujrat, Pakistan); Alex Stojcevski (Swinburne University of Technology, Australia); Nasrullah Khan (COMSATS Institute of Information Technology, Pakistan)	professional papers
<i>Optimal Placement and Sizing of Distributed Generation for Power Loss Mitigation and Voltage Profile Enhancement Using Atom Search Optimization</i>	Hussain Shareef (United Arab Emirates University, United Arab Emirates); Ashwaq Alkhatib (The United Arab Emirates University, United Arab Emirates)	professional papers
<i>Design and Modeling of New Hybrid System Coupled Between Solar Water Heater and Thermoelectric Generator</i>	Faddouli Ali, Salah Fadili, Hicham Labrim and Bouchaib Hartiti (University Hassan II FSTM, Morocco); Mehmet Ertugrul (Ataturk University, Turkey); Nawal Belouaggadia (University Hassan II FSTM, Morocco); Mohamed Stitou (University of Mohammed V, ENSET de Rabat, Morocco)	professional papers
<i>Life Cycle Analysis and Life Cycle Cost Analysis of green roofs in the Mediterranean</i>	Effrosyni Giama (Aristotle University of Thessaloniki, Greece); Charilaos Papageorgiou and Ifigeneia Theodoridou (International Hellenic University, Greece); Agis M. Papadopoulos (Aristotle University of Thessaloniki, Greece)	professional papers

<i>Extraction of the global solar irradiance using MSG satellite data</i>	Abdelhak Ali Razagui (Center of Development of Renewable Energy, Algeria)	professional papers
<i>Opportunities for Deploying Distributed Ledger Technologies in the Automotive Industry 4.0</i>	Natasa Zivic (University of Siegen, Germany)	professional papers
<i>Life cycle cost optimization analysis of battery storage system for residential photovoltaic panels</i>	Maria Symeonidou (Aristotle University Thessaloniki, Greece); Chrysanthi Zioga (Aristotle University, Greece); Agis M. Papadopoulos (Aristotle University of Thessaloniki, Greece)	professional papers
<i>Intrusion detection system based on big data fuzzy analytic</i>	Hajer Bourass (University of Sousse, Tunisia)	professional short papers
<i>Electrochemical Characterization Of Proton Exchange Membrane Electrolyzer Under Various Operating Conditions</i>	Andrej Zvonimir Tomić and Ivan Pivac (FESB, University of Split, Croatia); Frano Barbir (University of Split, FESB, Croatia)	professional short papers