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3rd Edition

Laboratory of Engineering Sciences and Energies - Lab.SIE
Association of Knowledge Research and Innovation Technology - A.K.R.I.T.

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Conference Presentation

The 3rd International Conference of Computer Science and Renewable Energies “ICCSRE’2020” is organized by the Faculty of Sciences, Agadir, National School of Applied Sciences, IbnZohr University, Morocco, The Mansoura University, Egypt, and University of North Texas, USA. The ICCSRE is official partner member of [IFGICT](#) (The International Federation of Global & Green ICT is a not for profit registered federation in USA), [SCITEPRESS Digital Library](#), and the Association of Knowledge, Research and Innovation Technologies. The conference has the focus on the frontier topics in the theoretical/applied engineering, computer science and renewable energies subjects. The ICCSRE conference serves as good platforms for our members and the entire engineering community to meet with each other and to exchange ideas. Our congress committees have been formed with over one hundred committees’ members who are mainly research center heads, faculty deans, department and laboratories heads, professors, PhD Students and research scientists from over 20 countries. All submitted papers will be under peer review and accepted papers will be published in the conference **SCITEPRESS Digital Library and E3S Web of Conferences, EDP Sciences**.

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Maria Paz Weisshaar completed her PhD from the University of Göttingen in Germany and postdoctoral research at the Max Plack Institute for experimental Medicine in Göttingen, Germany as well as The CNRS Institute for Molecular and cellular Biology in Strassburg, France, The University of Birmingham, Uk, University of Chicago, USA and the Tsukuba Fermentation research Institute, Japan. She is professor for Biochemistry/Pharmacogenetics/ Genetic engineering at the University of Applied Sciences Bonn-Rhein-Sieg and has 30 Years of experience in research management, teaching and university management. Is the CEO of two start-ups in Chile and UK in biomedical science. She has more than 30 Publications and one important Patent in USA.



Prof. Valentina E. Balas is currently Full Professor at “Aurel Vlaicu” University of Arad, Romania. She is author of more than 300 research papers. Her research interests are in Intelligent Systems, Fuzzy Control, Soft Computing. She is Editor-in Chief to International Journal of Advanced Intelligence Paradigms (IJAIIP) and to IJCSE. Dr. Balas is member of EUSFLAT, ACM and a SM IEEE, member in TC – EC and TC-FS (IEEE CIS), TC – SC (IEEE SMCS), Joint Secretary FIM.

Dr. Pandey is currently serving as a Senior Research Fellow at Research Centre for Nano-Materials and Energy Technology (RCNMET), Sunway University, Malaysia. Dr. Pandey did his Ph.D. in Energy Technology from SMVD University, India. He was the National Renewable Energy Fellow (NREF) of Ministry of New and Renewable Energy (MNRE), Govt. of India during his Ph.D. degree and also awardee of Post-Doctoral Fellowship from NIRE, MNRE, Govt. of India. Later he served at UMPEDAC, University of Malaya, Malaysia as a Post-Doctoral Fellow and Research Fellow. He has published more than several research papers in International journals of repute besides, book chapters, papers in International/National conferences and has filed four patents till now. He is Editorial board member of few International journals as well. Till date, 02 PhDs has already successfully completed their thesis and 04 PhDs and 03 Masters are currently pursuing their degree under his supervision. Currently he is working mainly on three different research projects 1) Enhancing the efficiency of PV, PV/T, CPV/T by the use of phase change materials and nano-enhanced phase change materials; 2) Development of self-cleaning glass for PV applications; 3) Development of low temperature efficient dye sensitized solar cells.





Prof. Rachid Benlamri is a Professor of Software Engineering at Lakehead University, Canada. He obtained his Bachelor of Computer Science from University of Constantine, Algeria, and his Master and PhD from the University of Manchester - UK. Professor Benlamri is the head of the Artificial Intelligence and Data Science Lab at Lakehead University. His research interests are in the area of Semantic Web, Artificial Intelligence, Data Science, Ubiquitous Computing and Mobile Knowledge Management.

Dr. Mohamed Elhoseny is an Assistant Professor at the Department of Computer Science, American University in the Emirates, Dubai, UAE. Dr. Elhoseny is an ACM Distinguished Speaker and IEEE Senior Member. He received his PhD in Computers and Information from Mansoura University/University of North Texas through a joint scientific program. Collectively, Dr. Elhoseny authored/co-authored over 150 published articles in prestigious journals, book chapters, and conference papers. Besides, Dr. Elhoseny authored/edited 17 international books published by recognized publishers such as Springer and Elsevier. His research interests include Smart Cities, Network Security, Artificial Intelligence, Internet of Things, and Intelligent Systems. Dr. Elhoseny is the founder and the Editor-in-Chief of IJSSA journal published by IGI Global. Also, he is an Associate Editor at IEEE Journal of Biomedical and Health Informatics, IEEE Access, Scientific Reports, IEEE Future Directions, Remote Sensing, and International Journal of E-services and Mobile Applications. Moreover, he served as the co-chair, the publication chair, the program chair, and a track chair for several international conferences published by recognized publishers such as IEEE and Springer. Dr. Elhoseny is the Editor-in-Chief of the Studies in Distributed Intelligence Springer Book Series, the Editor-in-Chief of The Sensors Communication for Urban Intelligence CRC Press-Taylor& Francis Book Series, and the Editor-in-Chief of The Distributed Sensing and Intelligent Systems CRC Press-Taylor& Francis Book Series. He was granted several awards by diverse funding bodies such as the Egypt State Encouragement Award in 2018, the Young Researcher Award in Artificial Intelligence from the Federation of Arab Scientific Research Councils in 2019, Obada International Prize for young distinguished scientists 2020, Mansoura University Young Researcher Award 2019, the SRGE best young researcher award in 2017, and the best Ph.D. thesis in Mansoura University in 2015. Dr. Elhoseny has 14 years of teaching experience and supervised two PhD students, two master students, and six graduation projects. Besides, he is a TPC Member or Reviewer in 100+ International Conferences and Workshops. Furthermore, he has been reviewing papers for 100+ International Journals including IEEE Communications Magazine, IEEE Transactions on Intelligent Transportation Systems, IEEE Internet of Things, Future Generation Computer Systems, IEEE Communication Letters, Elsevier Computer Communications, Computer Networks, Sustainable Cities and Society, Wireless Personal Communications, and Expert Systems with Applications. Dr. Elhoseny has been invited as a guest in many media programs to comment on technologies and related issues.





Prof. Marius M. Balas is full professor at Aurel Vlaicu University of Arad. Senior Member IEEE, EUSFLAT (European Society for Fuzzy Logic and Technology), SRAIT (Societatea Română de Automatică și Informatică Tehnică), etc. Coordinator for several research projects. Co-organizer of the Control Engineering and Industrial Software Branch of the university and the afferent laboratories. Co-organizer of the Summer School “SOFT COMPUTING” 2003, 2004, 2005 and 2006 Arad. General Co-Chair of the International Workshop IEEE SOFA between 2005 and 2018. Member of several organizing committees for different national and international scientific meetings: ISREIE, SOCO, EMEIT, etc. Coordinator for numerous student research projects. He published more than 45 indexed publications (Thomson Reuters), 3 books and 12 book chapters, more than 110 scientific journal and conference papers, member of several editorial boards: IJSDA, Acta Technica Jaurinensis, Aurel Vlaicu Scientific Bulletin, etc.



Dr. Abhishek Pandey, MSc, Ph.D (Education) honoris causa, Ballsbridge University, Dominica (near USA), awarded by British Council of India for English, is an Educational Innovator, Soft Skills Trainer, Author, Freelance Poet with expertise in Six Sigma In Education, Academic Audits, Neuro Linguistic Programming (NLP), Total Quality Management In Education, an Experiential Trainer, a CBSE Resource towards School Assessment (SQAA), CCE, JIT, Five S and KAIZEN. He has authored over 8 books on Science for ICSE/ ISC/ CBSE students, over 10 books of academic interest for the field of education excellence, Educational psychology and has published over 1000 plus papers and write-ups on Quality Initiatives in Academics. He has widely travelled across the globe. A former Director at Maharaja Public School, Satna, MP, and Dy Director at Vedanta International School, Azamgarh, Uttar Pradesh with an ample teaching experience of over a Decade, he is a certified Trainer for Quality Circles/ TQM in Education and QCI Standards for School Accreditation/ Six Sigma in Education. He has also been honoured with the Chancellor of AAFT University, Dr Sandeep Pawar, Rashtriya Shiksha Ratna Award in the year 2018 and Innovation in Education for his inception of Six Sigma In Education by Education Watch, New Delhi and Education World- Best Teacher Award, BOLT Learner Teacher Award Air India, 'Innovation in Education Award 2017' by Higher Education Forum (HEF), Gujarat Chapter, among others. He has developed over 150 FREE EDUCATIONAL MOBILE Apps for the Google Play Store exclusively for Teachers, Students and Parents. This work has been recognized by the LIMCA BOOK OF RECORDS & INDIA BOOK OF RECORDS as the only Indian to achieve that feat. Dr. Pandey is presently working as an Academic Evangelist with many organisations including Maharaja Group of Institutions, MP, Children Education Society, Azamgarh, CPA Education Trust etc with a vast experience at past workstations which include Central Public Academy, Azamgarh, Reliance Academy, Gorakhpur. He has conducted over 100 workshops globally on “Excellence In Education” integrated with Total Quality Management and Education Management & Six Sigma In Academics and has trained over 600 educators globally, on Technology Integration in Education (TIE), Developing standards being ROCKSTAR TEACHERS, including Cyberspace, Cyber Security, Classroom Management, School Leadership & Management and Innovative Learning within classrooms via Mind Maps and Experiential Learning.

Vrijendra Singh is an Associate Professor & Head- Dept. of Information Technology, Indian Institute of Information Technology Allahabad, Prayagraj, India. He received his Ph.D. degree in the area of Machine Learning & Signal Processing from Dayalbagh Educational Institute, Agra, India in the year 2008. He has over 18+ years of experience in academics (teaching/training), research & development and consulting. He has also worked at Dept. of Electrical Engineering, IIT Kanpur as Senior Project Associate, Ecole Polytechnique Federale de lausanne (EPFL), Switzerland as Visiting Research Faculty and was consultant to Putera Sampoerna Foundation, Jakarta (2012) for Course curriculum development in IT and allied areas. He has also visited Dubai, Oman, Abu Dhabi, Malaysia, Russia and Scotland for education, research, collaborations and providing consultancy. He has been conferred with the “50 Fabulous Edutech Leaders Award” at the 8th World Education Congress, Mumbai, India in the year 2019. He has developed various intelligent systems/software for Indian Industries/ Research Organizations like TVS Motors Company, BARC, ISRO, SAIL, IOCL, NPTEL etc. He has transferred technology to TVS Motors Co. Hosur, India for testing of two wheelers engine during assembly line based on acoustics data analytics in the year 2009. He has successfully deployed a system (under Government of India & National Science Foundation (NSF) USA sponsored joint Project, 2013-2015) for Classification/Protection of Wildlife & Human, Virtual Fencing, Gun Shot Detection & Localisation using IOT devices & Sensor Communication Networks at Panna Tiger Reserve, Madhya Pradesh, India in collaboration with Indian Institute of Science Bangalore, Wildlife Institute of India Dehradun, the Ohio State University, Cornell University and the University of California, Los Angeles. He has authored over seventy five publications in reputed international journals, conference proceedings/book chapters and edited one book.



Tuesday 22nd December 2020			
09:00	10:00	Registration	
10:00	10:30	Welcome and opening ceremony	
10:30	11:00	Keynote Speaker 1: Maria Paz Weisshaar	
11:00	11:30	Break	
11:30	13:30	Session 1	Session 2
13:30	15:00	Break	
15:00	15:30	Keynote Speaker 2: Dr. Mohamed Elhoseny	
15:30	17:00	Session 4	Session 5
			Session 6

wednesday 23rd December 2020			
09:00	10:00	Registration	
10:00	10:30	Keynote Speaker 3: Prof. Valentina E. Balasand Prof. Marius Balas	
10:40	11:20	Break	
11:20	13:40	Session 7	Session 8
13:50	15:00	Break	
15:00	15:30	Keynote Speaker 4: Prof. Adarsh Kumar Pandey and Dr. Abhishek Pandey	
15:30	17:00	Closing Ceremony	

Tuesday 22nd December 2020

ID	Authors	Title
014	Hafsahamidane, Samira El Faiz, Abdeslamlachhab, Mohammed Guerbaoui And Abdelali Ed-Dahhak	Constrained Discrete Model Predictive Control of a Greenhouse Relative Humidity
012	Rabiaaelkori, Khalid Elhad, Amallaamarti, Abdelilahhachim	Numerical and experimental study of the behavior of notched HDPE
015	Omaima El Alaoui-Elfels, Taoufiqqadi	From Auto-encoders to Capsule Networks: A Survey
016	Khalil Elbourakadi, ZoubidaSakhi, Mohamed Bennai	Brane Tension Effect on the Reheating Parameters
017	AsmaaFtaimi, Tomadermazri	Analysis of Security of Machine Learning and a proposition of assessment pattern to deal with adversarial attacks
019	Zinebsobhy, Mustapha Krim, Ismail Ghazi, OthmaneKaanouch, MeriemTantaoui, Jamal Inchaouh, Said Ouaskit	Stopping Power and Range Calculation of Proton Interaction With DNA-Bases 'Adenine-Thymine, Cytosine-Guanine'
028	Ismail Ghazi, Mustapha Krim, ZinebSobhy, Othmanekaanouch, MeriemTantaoui, AbdelkrimKartouni	Optimization and Minimization of the Deposited Dose in Organs at Risk During Treatment of the Cervix in Radiotherapy Using the Monte Carlo Simulation Platform GEANT4
027	SlamiAbdelhadi, BenramdaneNoureddine	Manual Method for Measuring The External Quantum Efficiency for solar cells
033	Youssef Rachidi	Random Forest for video Text Amazigh
009	Ayoubellahyani, Ilyas El Jaafari And Said Charfi	Traffic Sign Detection for Intelligent Transportation Systems: A Survey

Session 1

Session 2		
ID	Authors	Title
031	Fatima-ezzahraDahr, Omaira El Alani, Abdellah Bah, and AbdellatifGhennioui	Simple method for the estimation of solar spectral radiation
034	Omaira El Alani, HichamGhennioui, AbdellatifGhennioui, and Fatima-ezzahraDahr	Detection of clear sky instants from high frequencies pyranometric measurements of global horizontal irradiance
035	AminaBoudjelida, Ali Lemouari	Solving the Delay-Constrained Least-Cost routing problem using Tabu Search with Edge Betweenness
036	Mohamed MOUSTANIR, Karim BENKIRANE, Adil SAYOUTI, Hicham MEDROMI	FOUR-PROPELLERS UNDERWATER DRONE MODELING
037	AbdelhakOutalha, YassineLakhal, Fatima Zahra Baghli	The Efficiency of Discrete Event Systems for the General Pickup and Delivery Problem with Electric Vehicles
038	Youssef Ouhassan, SeddikBri, My Chrif El boubakraoui and Mohamed Habibi	Permittivity of SiC ceramic matrix compositesin Ku band
039	J. Bahar, Y. Lghazi, B. Youbi, M. AitHimi, and I. Bimaghra	Nucleation and growth mechanism of cobalt (Co) electrodeposited on ITO substrate
040	AbdelhadiBaala, YassineDarmane	Study of degradation of bifacial photovoltaic module due to dust deposition and glass breakage
041	Hassan Essakhi, SadikFarhat, Mohamed Mediouni, and YahyaDbaghi	Improving the dynamic performances of an MPPT controller for a Photovoltaic system using fuzzy logic
042	Ahmed Abou El Hassan, AbdelazizLabrag, Mustapha Bghour, and Ahmed Taoufik	Irreversibility line and thermally activated flux flow in Micro-bridges of high-temperature superconductor
Session 3		
ID	Authors	Title
044	M. El Bouhairi, M. Sidqui, C. Rifki	Arterial hypertension and the alveolar bone loss in metabolic syndrome
045	Sara Benmaziane1*, Omar Ben Lenda1 , Latifa Zerrouk1, And Elmadani Saad1,2	Numerical modeling of copper macro-segregation in the binary alloy Al-4Cu.
046	El MahfoudBoulaoutaq, Youssef Baala, Sana Mouslime, MhandOubell, Mustapha Kourchi, and AzeddineRachdy	Enhanced LVRT capability of Wind Turbine based on DFIG using Dynamic Voltage Restorer controlled by ADRC-based Feedback control
047	L. Elmahni, K. Assalaou, E. aitiaz, B. Benachir, L. Bouhouch	Technico-Economic Study Of A Photovoltaic Pumping System Using A Variable-Frequency Drive Converter
050	H. El Baamrani, L. Bammou, A. Aharoune, A. Boukhris	Numerical study of heat and mass transfer in a desalination system
051	KarimBouassem, Abdellatif El Assoudi, Jalal Soulami and El Hassane El Yaagoubi	Unknown Input Observer Design for a Class of Linear Descriptor Systems
055	NassimaBenchtaber , David Sánchez, and Llorenç Serra	Topological states electrically induced in bilayer graphene
053	KaoutarOuarid, Abdellatif El Assoudi, Jalal Soulami and El Hassane El Yaagoubi	Observer Design for Simultaneous State and Fault Estimation for a Class of Discrete-time Descriptor Linear Models
056	AbdellahAsbayou, Mohamed Agdam, Amine Aamoume, Ahmed Soussil, Ahmed Ihlal, LahoussineBouhouch	Utilization of MOSFET transistor as an electronic load to trace I-V and P-V curve of a solar panel
058	Fatima Walid, Sanaa El Fkihi, HoudaBenbrahim, and HichamTagemouati	Modelling and Optimization of Anaerobic Digestion: A Review
059	Rachid Latif, KaoutarDahmane, MonirAmraoui , Amine Saddik, AbdelouahedElouardi	Evaluation of Bio-inspired SLAM algorithm based on a Heterogeneous System CPU-GPU

ID	Authors	Title
060	JakjoudFatimazahra, HatimAnas, and AbellaBouaaddi	FPGA-based Hardware Acceleration for SVM Machine LearningAlgorithm
062	KaoutarAamali, AbdelhakimAlali, Mohamed Sadik and ZinebElHariti	A Review of the Different Levels of Abstraction for Systems-on-Chip (SoC)
063	Eric AkpoviroroObar, AbdelwahedTouati, and Nabila Rabbah	Embedded Generation Using Shared Solar
065	MalakBouhazzama, Mssassi Said	Why are we not always witnessing a take-off of the Moroccan cooperative model?
066	MalakBouhazzama, Mssassi Said	Cooperative benchmarking at the heart of public policies
067	Said Fadlo, Nabila Rabbah, Aitelmahjoub Abdelhafid	Energy Estimation Based on path tracking for a Differential Drive WheeledMobile Robot
070	RajaeTamri, and Said Rakrak	The SDN-MQTT for aninteroperable smart home
071	Said Amrane1;_, Abedallah Zahidi2, Nafwel Azami2, Mostafa Abouricha3, Naoual Nasser4, and Mohamed Errai1	ANN for adjustment of PID gains of Solenoid Response Based on Squeezer Fiber
072	AichaIdoum, LahcenBammou, RachidTiskatine, and Ahmed Aharoune	Thermal conductivity of clay based material incorporating Argan Shell: Experimental characterization
073	HailyieTekleselassie	DDoS Detection on Internet of Things using Unsupervised Algorithms
068	Abdoullah Bella, Rachid Latif, Amine Saddik, Fatima Zahra Guerrouj	Monitoring of Physiological Signs and Their Impact on The Covid-19 Pandemic: Review

Session 4

ID	Authors	Title
076	Wisam H. Benamer, Ebitisam K. Elberkawi, Nebras A. Neihum, Anwiji S. Anwiji, and Moatz A. Youns	Green Computing case study: calls for proposing solutions for the Arabian Gulf Oil Company
083	Mohamed Lmouchter, and and Minoru Suzuki	High-Quality La _{0.7} Sr _{0.3} MnO ₃ Epitaxial Thin Films by on-Axis rf Magnetron Sputtering
082	A. Hadri, S. Layaqini, and M. Nachaoui	An efficient primal dual method for non-smooth ridge regression
079	Mohamed AitBaih, NourElyakin El Qacemi, Hamid Zidouh, Abdelhamid Bakka, Noureddine El Baraka, Rachid Mamouni, and Nabil Saffaj	Elaboration of TiO ₂ Ultrafiltration Membrane Deposited on Moroccan Sahara Clay
080	Hamid ZIDOUH, And Nabil Saffaj	Development of a biomechanical model to identify performance parameters in rowing
081	Nihale Saba and Salahddine Krit	Conception of new technics for Electronic production optimization and flow efficiency
001	Vikas Kumar	Segmentation Of Brain Images By Optimizing Clustering Of convolution Based Features
004	Senhaji Saloua	Intelligent Robot for automatic test of virus and the prevention of Covid 19 pandemic
005	Souad Merabet ¹ , Ahlem Alioua ¹ and Bilal Djellil ¹	Effect of Deposition Conditions on Oxide Parameters of Silicon
011	Moulebe Lince Pierre, Touati Abdelwahed, Akpoviroro Obar Eric and Rabbah Nabila	Mathematical modeling of re-electrification by green hydrogen storage through the PEM fuel cell integrating a 10-year economic study applied to a hotel
062	H. Laaouidi*, M. Tarfaoui ² , M. Nachtane ³ , M. Trihi ¹ and O. Lagdani ¹	Mechanical Characterization of a Tidal Turbine in Hybrid Composite Material at Marine Environment
6_CR	Merieme Benaadad*, Abdelhakim Nafidi, Samir Melkoud, Abderrazak Boutramine, Ali khalal	Long wavelength Infrared Detection, Bands Structure and effective mass in InAs/GaSb Nanostructure Superlattice
35_CR	Mustapha ELYAQOUTI, Driss Izbaïm, Lahoussine Bouhouch	Study of the Energy Performance of Different PV Arrays Configurations Under Partial Shading
65_CR	Mohamed Errai and Said Amrane	Behaviour of the conductivity in metallic 70 Ge:Ga close to the metal-insulator transition

Wednesday 23th December 2020

Session 6	ID	Authors	Title
	020	Khadija Majhadi, Mustapha Machkour	Natural Language Interface for Querying Databases as a good example of Questions Answering systems
	021	OthmaneKaanouch, Mustapha Krim, El MadaniSaad, Ismail Ghazi, Kamal Saidi, ZinebSobhy, MeriemTantaoui	Evaluation of Lateral Deviation of Distribution Dose of Therapeutic Proton Beams in Voxelized Water Phantom Using the Monte Carlo Simulation Platform GEANT4
	022	Kamal Saidi, Redouane El Baydaoui, Hanae El Gouach, OthmaneKaanouch, Mohamed RedaMesradi	Commissioning Measurements Of Electron Beam Using Montecarlo Algorithm On TruebeamStx® And Comparison With Clinac Ix Linear Accelerator
	023	ZakariaNejjari, And HananeAamoum	Big Data Analytics Influence on Financial Performance and Market Value: Intellectual Capital as a Proxy
	024	Mohammed ChakibSekkal, SafaBelhachi, FatihaimaneTouati, ZakariaZiani	Experimental trial on the electrical characteristics of photovoltaic panels under the effect of a simulated failure
	025	Benyamina Ahmed, Andbenyaminazakarya	Comparative Study on clustering of remote sensing image: Ant Colony Optimization(ACO) and Firefly algorithm (FA)
	029	Mouradennaji, Hadhoumboukachour, Mustapha Machkour, And Youneskabbadj	Collaborative Tutoring: A Multi-TutorApproach
	030	Abdellatifsemouri, Mostafajourhmane, Bahaeddineelbaghzaoui	Discounted Markov Decision Processes with Constrained Costs: the decomposition approach
003	Khaoula Ait Rai, Mustapha Machkour, Tarik Agouti, JilaliAntari	An Application of the Analytic Hierarchy Process for Influential Nodes' Classification	

Session 7	ID	Authors	Title
	032	AbdelkbirErrougui	Molecular Dynamics Simulation of Lithium Fluoride in Aqueous Solution at Different Temperatures 300 K - 360 K
	002	OthmaneMaakoul, Ruth Beaulanda, Aziza Abid, ElhassaneEssabri and Hamid El Omari	Dimensioning, dynamic modelling, and simulation of a cogeneration unit operating with renewable energy
	010	AmriHouda, BenlarbiHossemmeddine And ZaabatMourad	The Transport of Electromagnetic Waves in Integrated Circuits
	048	NaïmaTouafek, RamdaneMahamdi, and ChahrazedDridi	Boosting the performance of planar inverted perovskite solar cells employing GO as HTL
	054	Halima DrissiTouzani, SanaaFaquir, SalouaSenhaji, and Ali Yahyaouy	A proposed solution to road traffic accidents based on fuzzy logic control
	043	HichamOualla, Mathieu Pouliquen, MiloudFrikel, and Said Safi	Comparison of algorithms for identification of IIR systems from binary measurements on the output
	052	Hassan Ouahi	Traffic optimization in IOT networks
	086	El boustyHicham, and Krit Salah-ddine	Stock market forecasting model from multi news data source using a two-level learning algorithm
085	O. Lagdani, M. Tarfaoui, M. Nachtane, M. Trihi and H. Laaouidi1	Numerical Simulation of the Impact of Ice Accumulation on a Composite Wind Turbine Blades located in a Cold Climate	

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Session 8	074	ParyatiParyati	Diagnoses For People With Heart Disease Using Interactive Multimedia
	084	M. Baha, , A. Lamarti, R. Sehaqui , A. Hachim , S. Ouhimou	Numerical Characterization Of Behavior Under Uniaxial Tension And Modeling Of Bending Of Mechanical Behavior Of Polymeric Materials (Hips) And Comparison With Experience.
	061	OuafaeNinis, Mohammed Bouachrine, and Mustapha Abarkan	Frequency And Temperature Effects On Dielectric Properties Of PEDOTVC Copolymer
	064	AyoubMamri, Mohamed Abouzahir, Mustapha Ramzi, and RachidLatif	ORB-SLAM accelerated on heterogeneous parallel architectures
	068	ReemAljoufi, and AboubakerLasebae	Multi-task Learning for Intrusion Detection and Analysis of Computer Network Traffic
	075	FatihaSaouti, AbdelouahedCharquaoui And Youssef NAIMI	Physico-chemical factors conditioning the electronic conduction of polyaniline theoretical bases of synthesis and characterization methods links between its structural electrical and electrochemical properties
	077	Michael Cabanillas-Carbonell, MariazucenaCalderón-Riera, Josselin Sanchez-Solís	Educational Robot for the Care of Infectious Diseases in Children: AReview of the Scientific Literature 2010 - 2020
	078	Michael Cabanillas-Carbonell, Jose HuamaniCahuana	Analysis of mobile applications reporting on nutritional recipies: areview of the scientific literature