



Conference Program

INFORMATION TECHNOLOGY, COMPUTER SCIENCE, AND INFORMATION SYSTEMS TRACK

8:30 - 9:30 registration & refreshments [Lobby, Level 1]		
9:30 - 10:30 opening session [Auditorium, Level 1]		
11:00 - 12:30 session IT-1		
Venue	Thafeer (Level 2)	
Chairs	Dr. Abdallah Tubaishat (Zayed University) and Dr. Maurice Danaher (Zayed University)	
#	Paper ID	Authors & Paper Title
1	12	Hebatallah Alsakaji and Fathalla Rihan. <i>Dynamical Behaviour of a Delayed Predator Prey Model with Hunting Cooperation on Predator</i>
2	25	Ansam Abdelsalam and Rana Ahmed. <i>Collaborative Caching for D2D Content Sharing in 5G</i>
3	47	Haifa Husain, Shaima Alshouq, Maryam Yousef and Farkhund Iqbal. <i>A Comparative Legal Analysis of Cyberbullying and Cyberstalking in the UAE, US, England and Canada</i>
4	73	Abdulla Kazim, Fadya Almaeni and Hakim Hacid. <i>SQL Injection and Rootkit Forensics in Relational Databases: A Case Study of Two Insider Attacks</i>
5	79	Abdulla Kazim, Musaab Mohamad and Farkhund Iqbal. <i>Forensics Investigation on Zenbo Robot</i>
12:30 - 13:30 lunch [Liwa, Level 1]		
13:30 - 15:15 session IT-2		
Venue	Thafeer (Level 2)	
Chairs	Dr. Ahed Abugabah (Zayed University) and Dr. Anoud Bani-Hani (Zayed University)	
#	Paper ID	Authors & Paper Title
1	88	Athar Bsharat and Mohamed Hajji. <i>Wavelet- Based Multistep Methods for Initial Value PROBLEMS</i>
2	89	Abdulla Kazim, Mathew Nicho and Fadya Almaeni. <i>Evaluating Malware Detection Effectiveness of Operating Systems Defenses</i>
3	104	Lu'Ay Ahmad Yousef Abu-Rayyan and Hakim Hacid. <i>Data Integrity 2.0: Towards an End-User Layer for Data Integrity</i>
4	110	Abdulla Kazim, Fadya Almaeni and Hakim Hacid. <i>Mobile Database Forensics: A Case Study of SQLite</i>
5	117	M. Sami Zitouni. <i>CNN-based Detection and Classification of Crowd Structure using Automatically Annotated Training Data</i>
15:00 - 15:30 break [Lobby, Level 1]		
15:30 - 16:30 session IT-3		
Venue	Thafeer (Level 2)	
Chair	Dr. Emad Bataineh (Zayed University)	
#	Paper ID	Authors & Paper Title
1	122	Lamees Al Qassem, Di Wang and Hassan Barada. <i>Automatic arabic Text Summarization Based on Fuzzy Logic</i>
2	135	Rupesh Karn and Ibrahim Elfadel. <i>Cryptomining Detection in Container Clouds Using System Calls and Explainable Machine Learning</i>

3	138	Abdulla Al Zaabi and Ibrahim Elfadel. <i>SNZIBarriers: Barrier Synchronization using Scalable Non-Zero Indicators</i>
4	182	Abdulla Saleh Buali, Ameera Mohamed Almarzooqi and Huwida Said. <i>Use of Open Source Threat Intelligence to Analyze of Nation State Actor Malware</i>
16:30 - 17:00 best paper award & closing session [Auditorium, Level 1]		

BUSINESS AND MANAGEMENT TRACK

8:30 - 9:30 registration & refreshments [Lobby, Level 1]		
9:30 - 10:30 opening session [Auditorium, Level 1]		
11:00 - 12:30 session BU-1		
Venue	Gowaifa (Level 2)	
Chairs	Dr. Stephen Wilkins (The British University in Dubai) and Dr. Amani A Omer (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	18	Maitha Alkaabi, Raja Jayaraman and Mecit Can Emre Simsekler. <i>Utilizing System Modelling Techniques in Lean Healthcare Applications</i>
2	44	Reshma John. <i>Light Buy vs Heavy Delivery – Over-packaging in Online Retail Shopping - Exploring Concerns and Causes; and Solutions from an Institutional Perspective</i>
3	98	Fatima Al Naqbi. <i>Refocusing the UAE's Human Capital Strategy: Lifelong Learning (LLL) and the Future Labor Market Needs</i>
4	123	Joe Hazzam. <i>Co-creation of Value in The Digital Age: The role of Customer Engagement and Social Media Activities</i>
5	56	Mohamad Al Housani, Mohamad Al Housani and Mohamad Al Housani. <i>Waste Segregation Perceptions and Practices Among Sharjah's Higher Education Community</i>
12:30 - 13:30 lunch [Liwa, Level 1]		
13:30 - 15:15 session BU-2		
Venue	Gowaifa (Level 2)	
Chair	Dr. Ashly H. Pinnington (The British University in Dubai)	
#	Paper ID	Authors & Paper Title
1	19	Ariba Sabah, Kiran Mir Zafarullah Khan, Salwa Osama and Lana Barake. <i>'Factors Affecting Customer's Acceptance of Online Banking'-The case from United Arab Emirates</i>
2	40	Abderrahmane Bettayeb and Amel Bettayeb. <i>Use of Technology in HRM Applications in Higher Education Institutes in UAE</i>
3	30	Hazem Aldabbas. <i>Integration Research and Development with Dynamic Capabilities View in Determining Firms Competitive Advantage</i>
4	74	Masoud Abaudiyan. <i>Financial Innovation & Branchless Banking System</i>
5	142	Amal Al Hassani. <i>The role of quality of services and experiences as a university student "relationships between cognitive dissonance, satisfaction and intention to stay"</i>
15:00 - 15:30 break [Lobby, Level 1]		
15:30 - 16:30 session BU-3		
Venue	Gowaifa (Level 2)	
Chair	Dr. Ricardo H. Archbold (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	41	Amany Mosa. <i>Social Media Emerging a Participative Government: Institutional logics Theory Concept</i>
2	23	Fareed Al Ameer. <i>Determinants of Business Incubators' Role and their Success in the UAE</i>
3	38	Eman Al-Raeesi and Udechukwu Ojiako. <i>An exploration of public services innovation readiness within the Emirate of Sharjah</i>

4	72	Hamid Al Nimr. Leadership in Construction Industry
16:30 - 17:00 best paper award & closing session [Auditorium, Level 1]		

CLINICAL, PRE-CLINICAL, HEALTH AND LIFE SCIENCES TRACK

8:30 - 9:30 registration & refreshments [Lobby, Level 1]		
9:30 - 10:30 opening session [Auditorium, Level 1]		
11:00 - 12:30 session CL-1		
Venue	Wasit (Level 2)	
Chairs	Dr. Khaled A. El-Tarabily (UAE University) and Dr. Sung Mun Lee (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	152	Khawla J. Al Wahshi, Khaled A. El-Tarabily, Synan F. Abuqamar, Esam Eldin Saeed, Arjun Sham, Aisha A. Alblooshi and Marwa M. Alblooshi. Chemical Control of Fusarium wilt disease of Date Palm Trees in the United Arab Emirates
2	36	Ayoub Glia, Ayoola Tahir Brimmo, Pavithra Sukumar, Muhammedin Deliorman and Mohammad Ameen Qasaimeh. Advanced Microfluidic Probes for Immunocapture of Cells in wall-free conduits
3	82	Rana Habib, Ruwaya Al Kendi, Thies Thiemann, Abdel-Hamid Mourad, Nizamudeen Cherupurakal, and Vijith Chandu. Analysis of microbeads present in cosmetics commercially available in UAE
4	29	Mohammed Naji. Study of Autosomal STR markers in United Arab Emirates population
5	60	Arshida Ashraf, Abdul Rasheed Palakkott, Rabah Iratni and Mohammed Akli Ayoub. The Molecular Mechanisms of the Anti-diabetic Properties of Camel Milk
12:30 - 13:30 lunch [Liwa, Level 1]		
13:30 - 15:00 session CL-2		
Venue	Wasit (Level 2)	
Chairs	Dr. Khaled A. El-Tarabily (UAE University) and Dr. Sajid Maqsood (UAE University)	
#	Paper ID	Authors & Paper Title
1	113	Shamma Almuhairei, Syed Shah, Fatima Al Maskari, Javaid Nauman and Juma Alkaabi. Cardiovascular Disease Risk Factor in Elementary School Children in United Arab Emirates
2	119	Eman Alhelali. Sleep and depersonalization
3	13	Salem Alyileili, Khaled El-Tarabily and Wissam Ibrahim. Effect of dietary inclusion of degraded date (<i>Phoenix dactylifera</i> L.) pits on intestinal development and morphology in broilers
4	153	Halima Alsamri, Khawlah Athamneh, Nehla Benhalilou, Asma Alrashedi and Rabah Iratni. <i>Rhus coriaria</i> triggers non-canonical Beclin-1-independent autophagy and apoptotic cell death in colon cancer cells
15:00 - 15:30 break [Lobby, Level 1]		
15:30 - 16:30 session CL-3		
Venue	Wasit (Level 2)	
Chairs	Dr. Amita Attlee (UAE University) and Dr. Moneeb Qablan (UAE University)	
#	Paper ID	Authors & Paper Title
1	77	Reem Shouk and Sherif Karam. Defining carbohydrate moieties in mouse uterine cervix
2	48	Zahra Alsomali and Dr. David Thomson. Ecological Impacts of Changing Rainfall in The Arabian Peninsula
3	20	Betty Titus Mathew and Khaled A. El-Tarabily. Engineered Date Pit Activated Carbon and Morphological Analysis in 2D and 3D Hepatocyte Cell Culture
4	168	Halima Alnaqbi. The Major Histocompatibility Complex and associated diseases from an Arabian perspective
16:30 - 17:00 best paper award & closing session [Auditorium, Level 1]		

ARTS, HUMANITIES AND SOCIAL SCIENCES TRACK

8:30 - 9:30 registration & refreshments [Lobby, Level 1]		
9:30 - 10:30 opening session [Auditorium, Level 1]		
11:00 - 12:30 session AR-1		
Venue	Kayyah (Level 2)	
Chairs	Dr. Rachel Alison-Takriti (UAE University) and Dr. Christopher Hill (The British University in Dubai)	
#	Paper ID	Authors & Paper Title
1	43	Rima Jalodi. <i>The Link Between Family Strategies and the Academic Achievements of the Children in Math and English</i>
2	115	Maqsoud Kruse. <i>Can Neuroimaging Identify Giftedness? An Exploratory Experimental Study</i>
3	8	Hanan Almarashdeh. <i>Mathematics Teachers' Perceptions Toward Gifted Students; The case of United Arab Emirates</i>
4	10	Eman Mahmoud. <i>Teachers' Perceptions of Reading Instructional Strategies and Reading Assessment Strategies Used in High School</i>
11:00 - 12:30 session AR-2		
Venue	Hmyaneyya (Level 2)	
Chair	Dr. Julian Aych (UAE University)	
#	Paper ID	Authors & Paper Title
1	53	Rand Saaid. <i>The effects of analytical music therapy on the sociomotional and academic skills of a child with selective mutism</i>
2	58	Maha Omar Alhabbash, Xu Liu, Safa Alothali, Najah Al Mohammadi and Ghada Yahya Alkilani. <i>The Emirates Standardized Test (EmSAT) Vis-à-vis International English Language Testing System (IELTS): An analytical and Comparative Study</i>
3	83	Sara Hamad, Lutfieh Rabbani, Hanan Al Marashdi and Khaleel Ali. <i>Exploring Science Teachers' Experiences of Integrating STEM into Their Teaching: A Phenomenological Study</i>
12:30 - 13:30 lunch [Liwa, Level 1]		
13:30 - 15:00 session AR-3		
Venue	Kayyah (Level 2)	
Chairs	Dr. Solomon Arulraj David (The British University in Dubai) and Dr. Christian Haefke (NY University Abu-Dhabi)	
#	Paper ID	Authors & Paper Title
1	127	Asma Balfaqeeh. <i>Investigating the Influential Factors of Grade 4 and 8 Mathematics and Science TIMSS 2015 Results of the Content and Cognitive Domains in the UAE</i>
2	27	Lutfieh Rabbani. <i>DOWNSIDES OF USING WORK BASED EMAILS FOR REGULAR AND ONGOING COMMUNICATION IN SCHOOLS</i>
3	86	Abdulla Alobaidli. <i>Interferometric Synthetic Aperture RADAR (InSAR) Approaches for the Retrieval of surface displacement of fault zones in the UAE: Dibba, Wadi Ham and Wadi Shimal, 2000- 2018</i>
4	93	Khaleel Alarabi, Lutfieh Rabbani and Sara Elkheir. <i>Examining advanced 11th grade science student's misconceptions in Vectors Operations.</i>
13:30 - 15:00 session AR-4		
Venue	Hmyaneyya (Level 2)	
Chairs	Dr. Hakim Ajhar (Khalifa University) & Dr. Najwa Mohammed Alhosani (UAE University)	
#	Paper ID	Authors & Paper Title
1	96	Sherin Mahmoud. <i>Families, Schools, And Communities Educational Partnerships</i>
2	143	Elazab Elshazly. <i>A CASE STUDY OF AN INTERVENTION PROGRAM FOR STUDENTS WITH DYSLEXIA IN A PRIMARY SCHOOL IN THE UAE</i>

3	51	Noura Alazzani, Salwa Alhashmi, Reem Alquwaitaei and Ali Ibrahim. <i>Teachers' Emotions toward Outcome-Based Curriculum: The Case of Cycle One Teachers in UAE Schools</i>
15:00 - 15:30 break [Lobby, Level 1]		
15:30 - 16:30 session AR-5		
Venue	Kayyah (Level 2)	
Chairs	Dr. Hakim Ajhar (Khalifa University) and Dr. Christian Haefke (NY University Abu-Dhabi)	
#	Paper ID	Authors & Title
1	52	Wafaa El Zaatari and Dr. Ali Ibrahim. <i>The Affect, Power, and Reciprocity: The Keys to Teacher-Student Relationship</i>
2	114	Neha Sharma. <i>Effectiveness of Gifted Education Programmes in Dubai: An evaluative study of gifted programmes offered to middle school learners in private schools</i>
3	90	Mohammed Madi Hamad. <i>Ethics of Educational Leadership: A Qualitative Study of University Deans' Ethical Frameworks</i>
16:30 - 17:00 best paper award & closing session [Auditorium, Level 1]		

ENGINEERING AND PHYSICAL SCIENCES TRACK

8:30 - 9:30 registration & refreshments [Lobby, Level 1]		
9:30 - 10:30 opening session [Auditorium, Level 1]		
11:00 - 12:30 session EN-1		
Venue	Jifen (Level 3)	
Chair	Dr. Muhammad Zubair (University of Sharjah)	
#	Paper ID	Authors & Paper Title
1	34	Mariam Al Dhaheri, Kamran Khan, Wesley Cantwell, Rehan Umer and Frank van Liempt. <i>PREDICTION OF PROCESS-INDUCED DEFORMATION IN U-SHAPED SANDWICH COMPOSITE STRUCTURES FOR TOOLING COMPENSATION</i>
2	4	Muhammad Ali, Rehan Umer and Dr. Kamran Ahmed Khan. <i>Equivalent Permeability of Adjacent Porous Regions</i>
3	71	Anfal Al-Abdullah, Muhammad Imran Qureshi and Mohammad Hamdan. <i>Appropriate Turbulence Model for Simulating Airfoil with Rotating Leading-edge</i>
4	133	Bartosz Jurewicz, Kursat Kara and Vladimir Parezanovic. <i>Experimental Pressure Measurements inside the Sweeping Jet Actuator</i>
5	35	Mariam Al Dhaheri, Kamran Khan, Rehan Umer, Wesley Cantwell and Frank van Liempt. <i>THE ANALYSIS OF PROCESS-INDUCED DEFORMATIONS IN U-SHAPED SANDWICH AND MONOLITHIC COMPOSITE STRUCTURES</i>
11:00 - 12:30 session EN-2		
Venue	Al Mail (Level 3)	
Chair	Dr. Mohammad Khan (Abu-Dhabi University)	
#	Paper ID	Authors & Paper Title
1	17	Roba Saab, Andreas Schiffer, Kyriaki Polychronopoulou and Kumar Shanmugam. <i>Mechanically-Modified Hybrid Catalysts for Hydrocracking</i>
2	49	Tina Skorjanc, Dinesh Shetty, Felipe Gandara, Liaqat Ali and Ali Trabolsi. <i>Remarkably efficient removal of carcinogenic bromate from water by porphyrin-viologen covalent organic framework synthesized through the Zincke reaction</i>
3	92	Shannon Fernandes, Hadil Abu Khalifeh and Mohammad Alkhader. <i>A CFD Simulation to Compute Multiphase Problems in Hydrodynamics</i>
4	144	Ali Alnajjar, Vega and Maryam Khaleel. <i>Novel Materials for Cold Energy Storage</i>
11:00 - 12:30 session EN-3		
Venue	Al Menyour (Level 3)	

Chair	Dr. Jorge Manuel Miranda Dias (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	26	Sara Alkhoori and Kyriaki Polychronopoulou. <i>Improving Catalysts for Biogas Dry Reforming: Coupling of Mechanochemical Synthesis with Enhanced Microwave Radiation</i>
2	62	Mohammad Yousuf, Wael Abuzaid and Mostafa Elyoussef. <i>Tunability of elastic properties in 3D printed shape-memory polymer</i>
3	70	Sara Tellab, Muhannad Alkaddour, Ibrahim Hag Ali and Lotfi Romdhane. <i>Design and Implementation of a Robotic Fish</i>
4	105	Juveiriah M. Ashraf, Dong-Wook Lee, Aliaa Abou-Ali, Kin Liao and Rashid K. Abu Al-Rub. <i>Conductivities of 3D foams based on triply periodic minimal surfaces</i>
5	106	Sumaya Altamimi, Aliaa Abou-Ali, Dong-Wook Lee, Oriab Al-Ketan and Rashid Abu Al-Rub. <i>Mechanical Behavior of 3D Printed Graphene-Reinforced Gyroidal Cellular Nanocomposites</i>
11:00 - 12:30 session EN-4		
Venue	Al Jelaiah (Level 3)	
Chair	Dr. Mohammed Hussain (Zayed University), Dr. Maher Maalouf (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	39	Maha Diab and Soliman Mahmoud. <i>A Programmable OTA-C Band Pass Filter in 90-nm CMOS for Continuous Wavelet Transform</i>
2	45	Hafiz Muhammad Usman Butt, Habibur Rehman and Shayok Mukhopadhyay. <i>Design and Analysis of FO-PI Controller Based EV Traction System</i>
3	46	Hafiz Muhammad Usman Butt, Shayok Mukhopadhyay and Habibur Rehman. <i>Adaptation-Assisted Particle Swarm Optimization for Li-ion Battery Parameters Estimation</i>
4	65	Ahmed Sayed Abdel Aal Abdelaziz, Shayok Mukhopadhyay and Habib Ur Rehman. <i>Battery Energy Efficiency using an MPC Controller in an Electric Vehicle System</i>
5	81	T. A. Alkhidir, M. Abi-Jaoude, D. L. Gater, H. Alsafar, and A. F. Isakovic. <i>Amino Acid Detection Techniques</i>
11:00 - 12:30 session EN-5		
Venue	Emzirah (Level 3)	
Chair	Dr. Montasir Qasymeh (Abu-Dhabi University)	
#	Paper ID	Authors & Paper Title
1	61	Ayesha Alkhoori, Kyriaki Polychronopoulou and Maguy Abi Jaoude. <i>Tuning Ceria for CO Oxidation Reaction</i>
2	67	Mohamed Barkhed and Basim Abu-Jdayil. <i>Thermal Insulation Material Based on Poly Lactic Acid and Date-Pit Powder</i>
3	107	Youssef Wehbe and Marouane Temimi. <i>Coupled Land-Atmospheric Modeling of an Extreme Weather Event over the UAE</i>
4	69	Basam Dahy, Salem Issa and Nazmi Saleous. <i>MAPPING LAND COVER USING REMOTE SENSING DATA AND GIS TECHNIQUES WITH EMPHASIS ON DATE PALM PLANTATION IN ABU DHABI (UAE)</i>
11:00 - 12:30 session EN-6		
Venue	Al Mlisa (Level 3)	
Chair	Dr. Huwida Said (Zayed University)	
#	Paper ID	Authors & Paper Title
1	76	Abdel Gafoor Haddad, Abdulrahman Takiddeen, Ahmad Obeid and Andrei Sleptchenko. <i>Traffic Optimization by Simultaneous Control of Vehicles Speeds and Routes</i>
2	57	Sarah Albarri, Habib-Ur Rehman and Shayok Mukhopadhyay. <i>Speed Regulation Using Modified High Gain Adaptive Controller for Indirect Field Oriented Control of Induction Motor</i>
3	2	Aktham Alchaar and Adil Al-Tamimi. <i>3D Concrete Printing in The UAE</i>

4	155	Rana Azzam, Yahya Zweiri and Tarek Taha. <i>Occlusion-Aware Semantic Simultaneous Localization and Mapping</i>
5	141	Taqwa Wriekat. <i>A Review on Sustainable Agro-Waste Based Concrete Integration Options</i>
12:30 - 13:30 lunch [Liwa, Level 1]		
13:30 - 15:00 session EN-7		
Venue	Jifen (Level 3)	
Chair	Dr. Kamran Khan (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	136	Abdulla Almesmari, Dr.Firas Jarrar, Dr.Fahad Almaskari and Dr.Prashanth Marpu. <i>Manufacturing of Lightweight and Damage-Tolerant CubeSat Structural System</i>
2	140	Muneera Al-Shaibah, Wajih Syed, Zakriya Mohammed, Boohyun An, Daniel Choi and Ibrahim Elfadel. <i>Design and Modeling of a Lorentz-Force Single-Axis MEMS Magnetometer</i>
3	164	Abdelnasir Alnaqbi, Kursat Kara and Wesley Cantwell. <i>Numerical Analysis on The Aerodynamics of a Road Bicycle</i>
4	170	Adnan S. Saeed. <i>Enhanced Single-Sided Vibro-Impact Nonlinear Energy Sink</i>
5	177	Mae Almansoori, Wesley Cantwell and Kamran Khan. <i>Design and Fabrication of Origami Inspired Novel Lightweight Composite Structure</i>
13:30 - 15:00 session EN-8		
Venue	Al Mail (Level 3)	
Chair	Dr. Tae Yeon Kim (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	108	Moustafa Al Safadi, Oraib Al-Ketan, Rachid Rezgui, Reza Rowshan and Rashid Abu Al-Rub. <i>Mechanical Behavior of Microarchitected Metamaterials based on Minimal Surfaces</i>
2	150	Madiha Farman, Cesare Stefanini, Lakmal Seneviratne and Federico Renda. <i>Design, Modeling and Control of an Underwater Flagellate Vehicle</i>
3	151	Qiangshun Guan, Aikifa Raza, Afra S. Alketbi and Tiejun Zhang. <i>Accelerated Development of High-Performance Solar Absorbers with Bayesian Optimization</i>
4	158	Shahid Rabbani and Mohamed Sassi. <i>Multiscale Characterization of Fluid-Flow Properties of Porous Media and Numerical Modelling Using Pore Network</i>
5	163	Hessa Alfalahi, Federico Renda and Cesare Stefanini. <i>Force and Stiffness control for Continuum Robots in Minimally Invasive Cardiac Surgeries</i>
13:30 - 15:00 session EN-9		
Venue	Al Menyour (Level 3)	
Chairs	Dr. Mohammad Ali Abdelkareem (Sharjah University) and Dr. Georgios Karanikolos (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	146	Ismail Alkahtib, Luis Pereira and Lourdes Vega. <i>An Accurate Molecular Model for Acid Gas Absorption in Aqueous Amines</i>
2	147	Mohammad Al Hamadi, Salisu Ibrahim and Abhijeet Raj. <i>Effect of Oxygen Enrichment on the Emissions of CO and Aromatics in SRU</i>
3	159	Darwish, Warrag, Nashef and Kroon. <i>Extraction of pyridine and benzothiazole from aliphatic hydrocarbon mixtures using methyltriphenyl phosphonium bromide-based deep eutectic solvents as extractive denitrogenation and desulfurization agents</i>
4	166	Ghaiath Almustafa, Inas Alnashef, Reyuhangu Sulaiman and Hassan Arafat. <i>Solubility of Boron Species in Hydrophobic Ionic Liquids</i>
13:30 - 15:00 session EN-10		
Venue	Al Jelaiah (Level 3)	
Chair	Dr. Hakim Hacid (Zayed University), Dr. Maher Maalouf (Khalifa University)	
#	Paper ID	Authors & Paper Title

1	85	Abdel Gafoor Haddad, Muhammad Ahmed Humais and Ahmed Al-Durra. <i>Sensorless Disturbance-Observer-Based Control for Grid-Tied LCL Filter</i>
2	120	Khaled Humood, Heba Abunahla and Baker Mohammed. <i>Hybrid Memristor-CMOS Based Flash Analog to Digital Converter</i>
3	125	Badreyya A. Al Shehhi, Srinivasa Reddy Tamalampudi and Irfan Saadat. <i>InSe performance as a FET sensor device</i>
4	132	Nourhan Elsayed, Hani Saleh and Mihai Sanduleanu. <i>A 28GHz Asymmetrical Doherty Power Amplifier in 22nm FDSOI CMOS</i>
5	154	Mohammed Shurrah, Ahmed Alagha and Shakti Singh. <i>A Review of Wide Bandgap High-Voltage Semiconductor Devices</i>
13:30 - 15:00 session EN-11		
Venue	Emzirah (Level 3)	
Chair	Dr. Jeremy Teo (NY University Abu Dhabi)	
#	Paper ID	Authors & Paper Title
1	6	Mohanad Alkhodari, Amer Zakaria and Nasser Qaddoumi. <i>Microwave Tomography for Bone Health Monitoring</i>
2	16	Ayoola Brimmo, Anoop Menachery and Mohammad Qasaimeh. <i>3D Printed Probe for Delivering DNA Vaccines into Single Mammalian Cells</i>
3	101	Kenana Al Adem, Sung Mun Lee and Suryani Lukman. <i>Investigating the effect of pH variation on the in vitro aggregation of Hen Egg White Lysozyme</i>
4	102	Sarah Azzam, Suryani Lukman and Sungmun Lee. <i>Lipoic Acid and Ascorbic Acid as Inhibitors of Human Amylin Aggregation and Cellular Toxicity</i>
5	137	Aya Shanti, Cesare Stefanini, Bisan Samara, Amal Abdallah, Jeremy Teo and Jiranuwat Sapudom. <i>Engineering an Artificial Biomimetic Lymph Node</i>
15:00 - 15:30 break [Lobby, Level 1]		
15:30 - 16:30 session EN-12		
Venue	Jifen (Level 3)	
Chair	Dr. Maryam Khaleel (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	175	Aseel Hussien, Roba Saab, Kyriaki Polychronopoulou, Andreas Schiffer and Vasileios Tzitzios. <i>Characterization of Mechano-chemical Modification of Zeolite-Y and bimetallic CoPt nanoparticles for Dry Reforming of Methane (DRM)</i>
2	178	Jamila Alsuwaidi. <i>Evaluation of Station Blackout Risk with Electrical Cross-tie in Multi-unit NPP</i>
3	181	Abdulla Al Nuaimi. <i>Validation of New Procedure of Axial Xenon Oscillation Dampening in Pressurized Water Reactors (PWRs) – Case Study</i>
15:30 - 16:30 session EN-13		
Venue	Al Mail (Level 3)	
Chair	Dr. Kamran Khan (Khalifa University)	
#	Paper ID	Authors & Paper Title
1	167	Alya Alhammadi, Oraib Al-Ketan, Kamran Khan, Rashid K Abu Al-Rub, Reza Rowshan and Mohamed Ali. <i>Characterization of Gyroid TPMS fabricated by Additive Manufacturing using Selective Laser Sintering Technology</i>
2	169	Tariq Alzarooni. <i>Numerical Simulation of Jeffcott Rotor with Breathing Crack</i>
3	180	Omar Sharaf, Ashraf Al-Khateeb, Dimitrios Kyritsis and Eiyad Abu-Nada. <i>On the calculation of interparticle interaction potentials for nanofluids in thermal and solar applications: An engineering perspective</i>
15:30 - 16:30 session EN-14		
Venue	Al Menyour (Level 3)	
Chair	Dr. Luay Fraiwan (Abu-Dhabi University)	
#	Paper ID	Authors & Paper Title
1	145	Hend Alsayed. <i>Use of Reservoir Simulator to Model Drawdown Effects</i>

2	94	Zahraa Alkhaled. <i>Evolution of mosque architecture in UAE: A mosques case study in chronological review</i>
3	116	Aishah Hassan Al Shehhi. <i>Priority Index Development for Implementing (LED) Street Lighting System in UAE Federal Roadways</i>
16:30 - 17:00 best paper award & closing session [Auditorium, Level 1]		