



GJCIE 2019

Global Joint Conference on Industrial Engineering and Its Application Areas

2 – 3 September 2019 – Rauf Raif Denktas Culture and Congress Center, Gazimagusa, TRNC
“Industrial Engineering in the Digital Disruption Era”

FINAL PROGRAM

2 September 2019, Monday

09:00 – 16:00	Registration	
09:10– 09:40 Room: Arsinoe	Welcome Speech by Necdet Osam – Rector (Eastern Mediterranean University) Opening Address by Fethi Calisir – Conference Chair	
09:40 – 10:30	Keynote Session	
Room: Arsinoe		
M. YASAR OZDEN, PhD		
Professor at Eastern Mediterranean University Director of Distance Education Institute		
Title: “How to Survive in the Digital Disruption Era”		
10:30 – 11:00	COFFEE BREAK	
11:00 – 12:15	Parallel Session - I	
Room: Soli	Chair – Esra Agca Aktunc	
ID: 21	Optimal Order Quantity for the Mean-Variance Newsvendor Problem with Stockout	Akram El-Tannir
ID: 43	Binary Satin Bowerbird Optimizer for the Set Covering Problem	İlker Kucukoglu
ID: 46	Crew Constrained Home Health Care Routing Problem with Time Windows and Synchronized Visits	Nozir Shokirov Tonguc Unluyurt Bulent Catay



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11:00 – 12:15		Parallel Session – II (In Turkish)	
Room: Lambousa		Chair – Murat Durucu	
ID: 9	Research on the Interaction between Patient Satisfaction, Service Quality, Organizational Image and Trust in a Training and Research Hospital	Cemil Ceylan	
ID: 48	Multi Criteria Group Decision Making in the Selection of CNC Woodworking Machinery	Fatma Betul Yeni Mehmet Mustafa Acipayaoğlu Emre Cevikcan	
ID: 68	Selection of Optimum Maintenance Strategy using Multi-Criteria Decision Making Approaches	Tolga Gedikli Beyzanur Cayir Ervural	

12:15 – 13:45	LUNCH BREAK – BEACH CLUB
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13:45 – 15:00		Parallel Session – III	
Room: Soli		Chair – Basak Cetinguc	
ID: 35	Ergonomic Review of University Library Furniture: A Case Study of Cyprus International University	Kevin Chika Alozie Elif Binboga Yel Banu Numan Uyal	
ID: 47	Operator 4.0 and Cognitive Ergonomics	Mohamad Fallaha Zeki Murat Cinar Orhan Korhan Qasim Zeeshan	
ID: 53	Motivators for the Second-hand Shopping through Mobile Commerce	Cigdem Altin Gumussoy Aycan Kaya Sezin Bahar Unal	

13:45 – 15:00		Parallel Session – IV	
Room: Lambousa		Chair – Bela Vizvari	
ID: 4	Dimensions Optimization of EMU Library Furniture Using Ergonomics Evaluation	Tareq A. M. Babaqi Adham Mackieh	
ID: 16	An Integrated Employability Aptitude Survey-Cognitive Test Model for Assessing Students’Skills Retention Threshold	Faeza Saleh Dlhin	
ID: 66	The Effect of Working from Home on Work and Private Life: Automotive Sector Application	Murat Durucu Cahit Ali Bayraktar	

15:00 – 15:30	COFFEE BREAK
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15:30 – 16:45		Parallel Session - V	
Room: Soli		Chair – Sinan Ertemel	
ID: 49	A Study on the Adoption of Smart Home Devices: PLS Structural Equation Modelling	Umut Asan Abdurrahman Can	
ID: 50	Segmentation of Social Media Users: A Means-End Chain Approach	Asli Cetin Umut Asan Ayberk Soyer	
ID: 62	Open Data Availability and Suitability for Financial Analyses	Peiman Alipour Sarvari Gulcan Baskurt Djamel Khadraoui Sébastien-Augustin Martin	

15:30 – 16:45		Parallel Session – VI	
Room: Lambousa		Chair – Orhan Korhan	
ID: 6	3-D Printing a Non-Disrupting Technology for Sales, Distribution and Logistics	Reinhard Koether	
ID: 39	Failure Mode and Effect Analysis (FMEA) of Vertical Axis Wind Turbines	Mohamad Alhijazi Qasim Zeeshan	
ID: 40	Research Areas and Suggestions for Sustainable Manufacturing Systems	Emine Bozoklar Ebru Yilmaz	



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3 September 2019, Tuesday

10:30 – 16:00	Registration
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11:00 – 12:15	Parallel Session - VII	
Room: Soli	Chair – Emine Yaylali	
ID: 7	Strategy Proposals for the Preference of SMEs as Workplace	Seckin Polat Umran Eris Ucurum Umut Asan
ID: 34	Sexual Harassment in Higher Education: Students’ Perceptions and Attitudes	Ahmet T. Timur Alheri Bawa Magaji Juliet Ikhide Selcan Timur
ID: 52	Predicting the Medical Tourism Demand of Turkey	Erkan Isikli Seyda Serdar Asan Saliha Karadayi Usta

11:00 – 12:15	Parallel Session – VIII	
Room: Lambousa	Chair – Hatice Camgoz Akdag	
ID: 5	Reconstruction of the Ranking of Sovereign Debts by Logical Analysis of Data	Elnaz Gholipour Bela Vizvari
ID: 41	Existing and Non-existing Technologies of the Communication in the Post-disaster Period	Bela Vizvari
ID: 58	Effects of the Awareness of University’s CSR on Students’ Word-of-Mouth Intentions	Oluwatobi A Ogunmokun Selcan Timur

12:15 – 13:45	LUNCH BREAK – BEACH CLUB
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13:45 – 14:35	Parallel Session – IX	
Room: Soli	Chair – Umut Asan	
ID: 60	Profit Allocation in the Turkish Electricity Industry based on Cooperative Game Theory	Sinan Ertemel Nurtac Karaca
ID: 67	Analysis of the Relationship between Strategic Management Application and Innovation Level	Cahit Ali Bayraktar Murat Durucu



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13:45 – 15:00		Parallel Session - X	
Room: Lambousa		Chair – Peiman Alipour Sarvari	
ID: 37	Digital Twins for Industry 4.0: A Review	Zeki Murat Cinar Abubakar Abdussalam Nuhu Qasim Zeeshan Orhan Korhan	
ID: 38	Simulation of Factory 4.0: A Review	Zeki Murat Cinar Qasim Zeeshan Davut Solyali Orhan Korhan	
ID: 65	The Moderating Effect of Long-Term Orientation on the Relationship among Human Capital Research, Business Sophistication, and Knowledge & Technology Outputs	Basak Cetinguc Eyup Calik Fethi Calisir	

15:00 – 15:30		COFFEE BREAK	
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15:30 – 17:10		Parallel Session - XI	
Room: Soli		Chair – Seyda Serdar Asan	
ID: 3	Transportation of Injured Persons to Hospitals in Case of a Large Scale Disaster	Tareq A. M. Babaqi Bela Vizvari	
ID: 8	Exact Mathematical Models for the Open Field Layout Problem in Case of l1 and l2 Distances	Bela Vizvari Gergely Kovacs	
ID: 15	A Comparative Study of Multiple Objectives for Disaster Relief Logistics	Esra Agca Aktunc Mahdi Samarah	
ID: 51	A Mathematical Model and an Artificial Bee Colony Algorithm for In-Plant Milk-Run Design	Kadir Buyukozkan Sule Itir Satoglu	



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15:30 – 17:10		Parallel Session - XII	
Room: Lambousa		Chair – Akram El-Tannir	
ID: 55	Gamification of Upper Limb Tangible-Wearable Rehabilitation Devices	Dilek Olcay Serap Ulusam Seckiner	
ID: 57	Prioritization of Factors of Breast Cancer Treatment Using Fuzzy AHP	Hatice Camgoz Akdag Kemal Konyalioglu Tugce Beldek	
ID: 64	Mathematical Models of HIV: Methodologies and Applications	Emine Yaylali Zikriye Melisa Erdogan	
ID: 69	Modelling Hepatitis C Infections among People who Inject Drugs in Turkey: Is HCV Elimination Possible?	Emine Yaylali Busra Ozdemir Neslihan Lacin Sumeye Ceyil	
19:00 – 22:00		GALA DINNER – BEACH CLUB	