



GJCIE 2020 Conference Program

14 – 15 AUGUST 2020

“INDUSTRIAL ENGINEERING IN THE WORLD OF IOT”



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Global Joint Conference on Industrial Engineering and Its Application Areas

14 – 15 August 2020

“Industrial Engineering in the World of IoT”

CONFERENCE PROGRAM

14 August 2020, Friday

08:50– 09:00 	Welcome Address by Fethi Calisir – Conference Chair	
09:00 – 10:00 	Keynote Session	
ALI ALLAHVERDI, PhD Professor in the Department of Industrial and Management Systems Engineering of Kuwait University Title: “Publishing Your Paper in a Reputable Journal”		
10:00 – 10:15	BREAK	
10:15 – 11:15 	Parallel Session - I	
Chair – Fethi Calisir		
ID: 23	Forecasting of Retail Produce Sales Based on XGBoost Algorithm	Yakup Turgut Mustafa Erdem
ID: 84	A Constraint Programming Approach for the Multi-Product Lot Streaming and Flexible Job Shop Scheduling Problem Considering Sequence-Dependent Setups and Transport Activities	Pinar Yunusoglu Seyda Topaloglu Yildiz
ID: 86	A Distribution Network Design Model for Additive Manufacturing	Adnan Veysel Ertemel Sinan Ertemel Cemil Can Coktug Ali Can Erk Ali Gorener




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10:15 – 11:15	Parallel Session – II	
	Chair – Murat Durucu	
ID: 48	s, S Inventory Control Optimization under Inventory Sharing Policy for Omni-channel Network	Damla Izmirli Banu Yetkin Ekren Ecem Eroglu
ID: 53	Two Scheduling Rule Comparisons for Operations of Shuttles in Tier-to-Tier SBS/RS	Melis Kucukyasar Banu Yetkin Ekren
ID: 58	An Agent-based Simulation Model for Deadlock Prevention in an Aisle-to-Aisle SBS/RS	Ecem Eroglu Banu Yetkin Ekren

11:15 – 11:30	BREAK	
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11:30 – 12:30	Parallel Session – III	
	Chair – Fethi Calisir	
ID: 21	A Children Retail Company's e-Commerce Warehouse Optimization	Burcu Altuntas Meryem Bulut Miray Turhan Bahadır Tunaboğlu Selim Zaim
ID: 77	Transition From AC to DC Powered Homes	Bahadır Tunaboğlu Tolga Erkmen Selim Zaim Fatma Serra Ciftci
ID: 83	A Review on Cell Balancing Techniques and Their Complexity Levels	Anas Faisal Bahadır Tunaboğlu

11:30 – 12:30	Parallel Session – IV	
	Chair – Murat Durucu	
ID: 49	An Application Using Stability Increasing for the Grinding Machine Performance Improvement in the Automobile Industry	Mehmet Cakmakci Ece Sonmez Melis Kucukyasar
ID: 79	A Strategy for Increasing the Employment Rate of Graduates Using a Compact Module	Hatice Camgoz Akdag Cicek Ersoy
ID: 80	Analysis of the Relationship between Organizational Justice and Job Satisfaction in the Airline Industry	Elif Okan Cahit Ali Bayraktar

12:30 – 14:00	LUNCH BREAK	
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14:00 – 15:00		Parallel Session - V	
		Chair – Fethi Calisir	
ID: 22	Metaheuristic Hybridization: A Case Study for Nurse Scheduling	Yakup Turgut Zikriye Melisa Erdogan	
ID: 88	What Drives the Turkish Government’s Response to COVID-19 Pandemic – Daily Cases or Daily Deaths	Basak Cetinguc Fethi Calisir	
ID: 90	Taxonomy of Mathematical Modeling Studies for Hepatitis C among Injection Drug Users	Emine Yaylali Sahincan Ucler	

14:00 – 15:00		Parallel Session – VI	
		Chair – Murat Durucu	
ID: 65	An Overview of Warehouse Operations for Cold Chain	Cansu Yurtseven Banu Yetkin Ekren Ayhan Ozgur Toy	
ID: 73	An Experimental Design Study to Identify Significant Factors Affecting Tier-to-Tier SBS/RS Performance	Melis Kucukyasar Banu Yetkin Ekren	
ID: 75	Blockchain Technology for Supply Chain Management	Taner Dursun Fatih Birinci Busra Alptekin Isa Sertkaya Orkun Hasekioglu Bahadir Tunaboynu Selim Zaim	

15:00 – 15:15		BREAK	
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15:15 – 16:15		Parallel Session - VII	
		Chair – Fethi Calisir	
ID: 34	Home Health Care Services Management: Districting Problem Revisited	Onur Ozturk Mehmet A. Begen Gregory S. Zaric	
ID: 40	Next-Day Operating Room Scheduling with Time-Dependent Stochastic Surgery Durations	Enis Kayis Tugce Karatas Refik Gullu	
ID: 43	Value of MRI and Ultrasound Screening for Breast Cancer in Non-High-Risk Populations	Burhaneddin Sandikci Mucahit Cevik	




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15:15 – 16:15	Parallel Session – VIII - (<i>in Turkish</i>)	
	Chair – Murat Durucu	
ID: 27	Increasing Service Performance in the Physical Therapy and Rehabilitation Department of a Health Institution by Using Lean Techniques	Buse Bayraktar Gulin Feryal Can
ID: 38	Meta-Analysis Study on the Effect of Managers' Leadership Behaviors on Work Performance of Employees	Baris Evcin Cemil Ceylan
ID: 57	POLCA Approach on Make to Order Production System: An Application from the Hydraulic Industry	Yildiz Kose Emre Cevikcan Samet Resul Celik




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15 August 2020, Saturday

09:00 – 10:00	Parallel Session - IX	
	Chair – Fethi Calisir	
ID: 30	Flowshop Scheduling Problem with Stochastic Processing Times to Minimizing Total Completion Time	Muberra Allahverdi Ali Allahverdi
ID: 31	Minimizing Maximum Lateness on No-Wait Flowshops with Stochastic Setup Times	Muberra Allahverdi Ali Allahverdi
ID: 69	Design and Optimization of Automated Storage and Retrieval Systems: A Review	Zeki Murat Cinar Qasim Zeeshan

09:00 – 10:00	Parallel Session – X	
	Chair – Murat Durucu	
ID: 11	Safety Risk Management in Complex Systems	Gulsum Kubra Kaya
ID: 19	The Problems of Project Management Companies in the Turkish Construction and the Real Estate Industries	Levent Sumer Fatih Kiraz
ID: 55	Urban Transportation Planning Model for Long Term Refugees Camps Development: Case of Naher El Bared Camp in Lebanon	Nabil Nehme Hani AlNaghi

10:00 – 10:15	BREAK	
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10:15 – 11:15		Parallel Session – XI	
		Chair – Fethi Calisir	
ID: 59	A Comparison of the Multi-Criteria Decision-Making Methods for the Selection of Researchers	Gulsum Kubra Kaya Fatih Ozturk	
ID: 81	Global E-commerce Market Segmentation by Using Fuzzy Clustering	Basar Oztaysi Mert Kavi	
ID: 87	Brain Drain: A Multi-criteria Decision Model	Ayse Basak Incekas Cigdem Kadaifci	

10:15 – 11:15		Parallel Session - XII	
		Chair – Murat Durucu	
ID: 25	Churn Prediction in the Payment Services Industry: An Application at Token Financial Technologies for IoT Devices	Dicle Aslan Umut Asan	
ID: 45	Industry 4.0 and Components in Production Enterprises	Fatih Ozturk	
ID: 89	Regenerative Supply Chain through Digitalization in Dairy	Peiman Alipour Sarvari Sebastien-Augustin Martin Gulcan Baskurt Mohammad Nozari Djamel Khadraoui	

11:15 – 11:30		BREAK	
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11:30 – 12:30		Parallel Session - XIII	
		Chair – Fethi Calisir	
ID: 26	Future of Engineering Education: Cyber-Physical Systems Engineering	Banu Yetkin Ekren Vikas Kumar	
ID: 46	Virtual Reality: A Possibility for Training Operator 4.0	Mohamad Fallaha Orhan Korhan Qasim Zeeshan	
ID: 91	The Effect of Social Media Usage on Loneliness	Murat Durucu Ozgenur Tuncer Cahit Ali Bayraktar	

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