



İZMİR DEMOCRACY UNIVERSITY
INTERNATIONAL IDU ENGINEERING SYMPOSIUM
IES'22 INDUSTRIAL ENGINEERING SESSIONS
October 30, 2022

ON-SITE PROGRAM

Hall: A209

MS Teams Team Code: 2b1drmn

OPENING SPEECH	
10:30-10:45	Assoc. Prof. Dr. Tuğba Keskin Gündoğdu Head of The Department of Industrial Engineering, IDU

Keynote Speech-I Meeting Link: <https://l24.im/RvsFPQ7>

KEYNOTE SPEECH-I	
10:45-11:15	Innovative Uses of Drones for Last Mile Delivery with a Focus on Healthcare Prof. Dr. Alice Smith, Department of Industrial and Systems Engineering, Auburn University, USA

SESSION-I		
<i>Chair: Asst.Prof.Dr. Hande ÖZTOP</i>		
11:30-12:15	ID	Title
11:30-11:45	451	A novel fuzzy-based method for measuring the workload in home healthcare personnel Authors: Zehra Durak, Özcan Mutlu, Elif Danışman
11:45-12:00	417	Sustainability Assessment of Different Truck Modes in Freight Transportation Authors: Bengü Güngör, Christian Thies
12:00-12:15	426	A Mathematical Model for Integrated Disassembly Line Balancing and Pickup-Delivery Problem Authors: Zeynel Abidin Çil, Damla Kızılay, Hande Öztop



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Keynote Speech-II Meeting Link: <https://l24.im/DWjl8ob>

KEYNOTE SPEECH-II	
13:00-13:30	Dr. Cemalettin Öztürk, Lecturer in Logistics & Supply Chain Management, Munster Technological University, Ireland

SESSION-II		
Chair: Assoc.Prof.Dr. Tuğba Keskin GÜNDOĞDU		
13:45-15:00	ID	Title
13:45-14:00	429	The Production of Novel Formulated Confectioneries for Functional Food Industry Authors: Mine Güngörmüşler, Eylül Şenöztop, İlke Maşalacı, Gizem Arslantaş, Mert Ali Çalışkan
14:00-14:15	447	Evaluation of Environmental and Spatial Impacts of Biogas Industries Authors: Rana Taşkın, Nezehat İrem Özteke, Nuri Azbar, Sıdıka Tuğçe Dağlıoğlu
14:15-14:30	14	Biochar Potential in Industrial Application Authors: Osman Şimşek, Gözde Duman Taç
14:30-14:45	455	Recombinant Protein Expression in Escherichia coli: Developments and Challenges Author: Cengiz Akkale
14:45-15:00	430	The Bioeconomy Studies in Turkey Author: Tuğba Keskin Gündoğdu



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VIRTUAL PROGRAM

Online Session-I Meeting Link: <https://l24.im/XVN>

ONLINE SESSION-I		
<i>Chair: Asst.Prof.Dr. Damla KIZILAY</i>		
15:15-16:15	ID	Title
15:15-15:30	414	A Dynamic Programming Algorithm for the Single Machine Scheduling Problem Authors: Ömer Öztürkoğlu, Yeşim Deniz Özkan Özen, Yücel Öztürkoğlu
15:30-15:45	413	Solving the Single Traveling Repairmen Problem with Constraint Programming Authors: Neslihan Çevik, Şeyda Topaloğlu Yıldız
15:45-16:00	420	Data Envelopment Analysis and a Sectoral Application Author: Özlem Çomaklı Sökmen
16:00-16:15	421	Simulation Application for Process Improvement in the Service Sector Author: Özlem Çomaklı Sökmen

Online Session-II Meeting Link: <https://l24.im/7qlstFn>

ONLINE SESSION-II		
<i>Chair: Asst.Prof.Dr. Elif DANIŞMAN</i>		
16:30-17:15	ID	Title
16:30-16:45	436	Ranking of Engineering Departments in Turkey and Searching of Industrial Engineering Departments by Applying Various Filters Authors: İclal Bağcı, Dicle Merzuk, Öykü Öncü, Deniz Öznur Özoğul, Günce Er, Fahriye Yaren Özkurt, Yiğit Karaarslan, Tugay Yaşar, Nefise Güler, Damla Kızılay
16:45-17:00	440	A Multi-Criteria Solution Approach for the Alternative Preventive Maintenance Applications in the Aviation Industry Authors: Gürkan Güven, Başak Gever, Cemal Balıkçı
17:00-17:15	405	Doğrusal Olmayan Denklem Sistemlerinin Kaotik Harris Şahini Optimizasyonu Algoritması ile Çözülmesi Authors: Furkan Kara, Oğulcan Ayaz, Oğuz Emrah Turgut