Cihan Tugrul Cicek

Nottingham, UK, NG2 6RY

cihantugrulcicek@gmail.com

Website - Google Scholar - ResearchGate

WORK EXPERIENCE	**Senior Data Scientist, Microlise Ltd.** **Nottingham, UK** *Apr.2022 – (cont'd)*
	Assistant Professor, Atilim University **Ankara, Turkey** *Feb.2020 – Apr.2022*
	Academic Advisor, Sensgreen Co. **Ankara, Turkey** *Apr.2018 – May.2019*
	Visiting Researcher, University of California **Berkeley, CA, USA** *Sep.2018 – Jun.2019*
	Research Assistant, Middle East Technical University **Ankara, Turkey** *Dec.2016 – Feb.2020*
	Project Engineer, The Union of Chambers of Turkey **Ankara, Turkey** *Oct.2010 – Dec.2016*
EDUCATION	**PhD, Industrial Engineering** TOBB University of Economics and Technology, Ankara, Turkey *Nov.2014 – Nov.2019*
	MSc, Facilities and Environmental Management University College London, London, UK *Sep.2013 – Sep.2014*
	MSc, Operations Research Middle East Technical University, Ankara, Turkey *Sep.2010- Feb.2014*
	BS, Industrial Engineering TOBB University of Economics and Technology, Ankara, Turkey *Sep.2005 – Aug.2010*

PUBLICATIONS

<u>Refereed journals</u>

- Fotios Petropoulos et al., 2024. "Operational research: Methods and applications." Journal of Operations Research Society (preprint: https://arxiv.org/abs/2303.14217) .
- **Cihan Tugrul Cicek** and Gozdem Dural-Selcuk, 2023. "Analyzing consumer profile in online grocery market and estimation of the tendency to buy via machine learning," *Academic Review of Economics and Administrative Sciences*, vol. 16, 24-35.
- Cihan Emre Kement, Marija Ilić, Hakan Gultekin, **Cihan Tugrul Cicek**, Bulent Tavli, 2022. "Privacy protection via joint real and reactive load shaping in smart grids," *Sustainable Energy, Grids and Networks*, vol. 32, 100794.

PUBLICATIONS (cont'd)	➢ **Cihan Tugrul Cicek**, Zuo-Jun Max Shen, Hakan Gultekin, Bulent Tavli, 2021. "3-D Dynamic UAV Base Station Location Problem," *INFORMS Journal on Computing*, vol. 33(3), 839-860.
	➢ **Cihan Tugrul Cicek**, Hakan Gultekin, Bulent Tavli, Halim Yanikomeroglu, 2020. "*Backhaul*-Aware Optimization of UAV Base Station Location and Bandwidth Allocation for Profit Maximization," *IEEE Access*, vol. 8, 154573-154588.
	➢ **Cihan *Tugrul* Cicek**, Hakan Gultekin, Bulent Tavli, 2019. "The Location-Allocation Problem of Drone Base Stations," *Computers & Operations Research*, vol. 111, 155-176.
	Submissions under review
	➢ **Cihan Tugrul Cicek**, Cagri Koc, Hakan Gultekin, Gunes Erdogan. "Communication-aware Drone Delivery Problem" under review (2nd round with minor revisions) in IEEE Intelligent Transportation Systems (preprint: https://arxiv.org/abs/2203.05906) .
	Work in progress
	➢ Gulcin Bektur, **Cihan Tugrul Cicek**, Cagri Koc. "Mixed Fleet Green Truck-Drone Delivery Problem with Time Windows".
	Refereed proceedings
	➢ **Cihan Tugrul Cicek**, 2021. "A Reinforcement Learning Algorithm for Data Collection in UAV-aided IoT Networks with Uncertain Time Windows," IEEE International Conference on Communications (ICC2021), Montreal, Canada.
	➢ **Cihan Tugrul Cicek**, Hakan Gultekin, Bulent Tavli, 2019. "UAV Base Station Location Optimization for Next Generation Wireless Networks: Overview and Future Research Directions," in *IEEE 1st Unmanned Vehicle Systems Conference (UVS 2019)*, Muscat, Oman.
	International conferences
	➢ **Cihan Tugrul Cicek**, Cagri Koc, Hakan Gultekin, Gunes Erdogan, 2022. "Communication-aware Drone Delivery Problem," in The OR Society Annul Conference (OR64), Coventry, UK.
	➢ **Cihan Tugrul Cicek**, 2021. "A Deep Reinforcement Learning Algorithm for Dynamic Location-Allocation Problem," in Vertical Heterogeneous Communication Networks," in International Symposium on Locational Decisions (ISOLDE XV), Wuppertal, Germany.
	➢ **Cihan Tugrul Cicek**, Zuo-Jun Max Shen, 2021. "An Approximate Dynamic Programming Approach for the UAV Dispatching in Airborne Wireless Networks," in European Conference on Operational Research (EURO2021), Athens, Greece.
	➢ **Cihan Tugrul Cicek**, Hakan Gultekin, Bulent Tavli, 2019. "3D Location-Allocation Problem of Drone Base Stations in Next Generation Wireless Networks," *30th European Conference on Operational Research (EURO2019)*, Dublin, U.K.
	➢ **Cihan Tugrul Cicek**, Zuo-Jun Max Shen, 2019. "3-D Maximal Covering Location Problem with Unimodal Coverage: Planar case," *Production and Operations Management Society (POMS) 30th. Annual Conference*, Washington D.C, USA.
	➢ **Cihan Tugrul Cicek**, Zuo-Jun Max Shen, 2019. "Locating Drone Base Stations for *Disaster* Recovery," *Production and Operations Management Society (POMS) 30th. Annual Conference*, Washington D.C, USA.
TEACHING EXPERIENCE	➢ Optimization in Data Analytics @Atilim University
	➢ Scheduling @Atilim University
	➢ Advanced Linear Optimization @Atilim University
	➢ Operations Research I-II @Atilim University
	➢ Network Problems @Middle East Technical University

GRANTS & SCHOLARSHIPS	➢ Researcher, University-Industry Collaboration Grant, "Predicting the Mechanical Behaviour of W-state Composites." Funding agency: Atilim University & Turkish Aerospace Co. Funding amount: 650.000 TRY. Funding period: 2021-2023.
	➢ Principal Investigator, Undergraduate Research Grant, "An Online Portal for Coalition Alternatives in Online Grocery Industry in Turkey." Funding agency: Atilim University. Funding amount: 15.900 TRY. Funding period: 2020-2021.
	➢ Fellow, Visiting Student Researcher Fellowship. Funding agency: Fulbright Commission Turkey. Funding amount: 50.000 USD. Funding period: 2018-2019.
	➢ Scholar, National Graduate Study Scholarship (PhD.). Funding agency: The Scientific and Technological Research Council of Turkey. Funding amount: 40.200 TRY. Funding period: 2015-2019.
	➢ Fellow, Foreign Graduate Study Fellowship. Funding agency: The Union of Chambers of Turkey. Funding amount: 44.600 GBP. Funding period: 2013-2014.
	➢ Scholar, National Graduate Study Scholarship (MSc.). Funding agency: The Scientific and Technological Research Council of Turkey. Funding amount: 13.200 TRY. Funding period: 2011-2013.
	➢ Student, Tuition waiver and stipend. Funding agency: TOBB University of Economics and Technology. Funding amount: 28.500 TRY. Funding period: 2005-2010.
HONORS & AWARDS	➢ Best PhD Thesis, TOBB University of Economics and Technology, 2019.
	➢ Best MSc. Thesis, Middle East Technical University, 2014.
	➢ High Honor Degree, TOBB University of Economics and Technology, 2006-2010.
RESEARCH INTERESTS	➢ Computational Optimization
	➢ Reinforcement Learning
	➢ Vehicle Routing
	➢ Non-terrestrial Wireless Networks
	➢ Drone Routing
SKILLS	➢ Python, C#, Java, R, Gurobi, IBM ILOG Cplex, SPSS, MINITAB, MS Visio, MS Project, MS Office, Arena Simulation, Simul8.
OTHER ACTIVITIES	➢ Referee in several journals such as *Computers & Operations Research, Computers & Industrial Engineering, Transportation Research Part:E, IEEE Transactions on Wireless Communications, IEEE Transactions on Vehicular Technology, IEEE Wireless Communications, Optimization Letters, Flexible Services and Manufacturing.*
	➢ Panelist at British Council and The Scientific and Technological Research Council of Turkey.
REFERENCES	To be given upon request.