

## Staff Activities



**Dr. Muhammed Sahin**, from the Department of Civil Engineering, attended the American Council on Education's 100th Annual Meeting ACE2018, held March 10-13 in Washington, DC. ACE's Annual Meetings are the country's most distinguished higher education events, attracting nearly 2,000 presidents, senior executives, and other higher education leaders from all institutional types to explore fresh perspectives for practical solutions on campus and network with top leaders across all higher education sectors.



**Dr. Muhammed Sahin** also attended the TV program "Eğitim ve Teknoloji" on CNN Türk on March 30, 2018.



**Dr. Mehmet Fevzi Ünal**, from the Department of Mechanical Engineering, participated in a meeting on March 15, 2018 for organization of the 9th International Conference on Recent Advances in Space Technologies RAST 2019 that will be held in June 2019 in İstanbul. Dr. Ünal has been acting as a Technical Program Co-chair since the first RAST conference in 2003. RAST Conferences are organized bi-annually in the odd-years and are intended to be forums for the exchange of recent research results and ideas in space technologies, and applications with a wide range of participants from government agencies, relevant international institutions, universities, research organizations, space companies, as well as media and the general public.



**Dr. Erhan Erkut**, from the Department of Industrial Engineering, gave the following speeches/presentations,

- "Kurum Dönüşümü" at Dijital Anadolu on March 1, 2018.
- Opening speech of "Zero to One" at Koç University on March 10, 2018.
- "Entrepreneurship" at 20. Ulusal Kalite Günleri on March 14, 2018.
- At "Journey" Conference at MEF University on March 17, 2018.



## Publication



The article entitled "2017 Eğitim Panoraması" of Dr. Erhan Erkut, has been published in the Journal of ANKA Strateji.



The paper entitled "An Optimization Model for Carbon Capture & Storage/Utilization vs. Carbon Trading: A Case Study of Fossil-Fired Power Plants in Turkey" of **Dr. Semra Ağralı**, from the Department of Industrial Engineering, has been published in Journal of Environmental Management. In this study, which is a joint work with Dr. F. Görkem Üçtuğ from İzmir University of Economics and Dr. Burçin Atılğan-Türkmen from Bilecik Şeyh Edebali University, they develop a mixed-integer programming model that decides on the capacities of carbon capture units to be built at different fossil-fuel fired power plants, the transportation network that needs to be built for transporting the carbon captured, and the locations of storage sites, if they are decided to be built. They applied the optimization model for Turkey by considering power plants located at Soma and Afşin.

### Awards



**Dr. Duygu Tas**, from the Department of Industrial Engineering, has been awarded for her “Outstanding Contribution in Reviewing” by [Computers and Operations Research](#) in recognition of the contributions made to the quality of the journal.

### Conference



**Dr. İrem Zeynep Yıldırım**, from the Department of Civil Engineering, presented the conference paper entitled "EAF Ladle Steel Slag as a Geo-material: Compaction and Shear Strength Characteristics" at the International Foundations Congress and Equipment Expo (IFCEE) 2018, held at Orlando, Florida, USA on March 5-10, 2018 and her paper was published in the conference proceedings.

### Student Group



Department of Industrial Engineering performed a successful activity day for high school students from different schools in Istanbul as one of the events of “Lise Öğrencileri için Mesleklerle Tanışma Etkinlikleri” In the first part of the event, students were introduced to linear programming modeling techniques and sensitivity analysis through manufacturing chairs and tables by using Lego pieces. Then, in the second part, students played a variation of the game Goldratt described in his "novel", the Goal (North River Press, 1992, pp. 104-112). During this game, the effect of the variation in the production amounts between time periods was analyzed. **Dr. Semra Ağralı** and **Dr. Hande Küçükaydın**, from the Department of Industrial Engineering, organized these fun activities.



MEF Civil Engineering Faculty and MEFCES Student Group attended the seminar entitled “Macedonian Expertise in the Field of Geotechnical Engineering” presented by Prof. Ljupcho Dimitrievski, visiting from Macedonia on March 29. The seminar was jointly organised by Turkish Society for ISSMGE (ZMTM) led by Prof. Dr. S. Feyza Çinicioğlu, & ASCE Turkey Group, led by Dr. İrem Zeynep Yıldırım, and it was hosted at MEF University.

### Faculty Introduction



**Dr. Semra Ağralı** introduced the Department of Industrial Engineering to the students of Arnavutköy Korkmaz Yiğit Anadolu Lisesi on March 30, 2018.



**Dr. Hande Küçükaydın** introduced the Department of Industrial Engineering to the students of Şehremini Anadolu Lisesi on March 1, 2018.

**Seminar**

**Dr. Evren Güney**, from Arel University, gave a seminar entitled “OR Approaches to Influence Maximization Problem in Social Networks” on March 13, 2018. Dr. Evren Güney received his B.S., M.S. and Ph.D. degrees in Industrial Engineering from Boğaziçi University, Istanbul, Turkey, in 1999, 2002, and 2009, respectively. Since 2011, he has been part-time faculty member in the Industrial Engineering Department of İstanbul Arel University. His research interests are optimization problems in wireless sensor networks and social networks, heuristic and metaheuristic approaches for solving optimization problems. Apart from his academic title, he is one of the founding partners of Akampus Youth Marketing, which provides marketing technology solutions combining social networks, big data and web/mobile technologies. Akampus has been serving to Turkey’s largest companies such as P&G, Microsoft, Intel, Akbank, Turkcell, Coca Cola, Rowenta, ZorluHolding... etc. He is also an active profile in Turkish start-up ecosystem and a mentor in StartupBootcamp / Starter’s Hub Turkey.

**Dr. Kağan Gökbayrak**, from Bilkent University, gave a seminar entitled “Distance-limited Distribution Network Design on the Continuous Space” on March 12, 2018. Dr. Kağan Gökbayrak received the B.S. degrees in mathematics and in electrical engineering from Boğaziçi University, Istanbul, in 1995, the M.S. degree in electrical and computer engineering from the University of Massachusetts, Amherst, in 1997, and the Ph.D. degree in manufacturing engineering from Boston University, Boston, MA in 2001. From 2001 to 2003, he was a network planning engineer at Genuity, Inc., Burlington, MA. Since 2003, he has been a faculty member in the Industrial Engineering Department, Bilkent University, Ankara, Turkey. During his sabbatical leave in 2013, he was a visiting scholar at Massachusetts Institute of Technology, Cambridge, MA and held an adjunct position at Boston University. His research interests include the optimization of discrete-event and hybrid systems, wireless communication networks, and distribution networks, and computer simulation with applications to inventory, healthcare and manufacturing systems.