

Prof. Dr. Birol Kilkış

Birol Kilkış received his Ph.D. degree in Mechanical Engineering from Middle East Technical University. He graduated in 1972 with an honors degree from von Karman Institute for Fluid Dynamics in Belgium- a NATO Research Center. Dr. Kilkış has been working on heat transfer, high-performance buildings, quantum mechanics, fluid dynamics, heat pumps, energy strategies, aerodynamics, exergy analysis, combined heat and power, tri-generation, integrated solar PV systems, simulation, and computer aided design of green buildings. He is a founder member of the Turkish Wind Energy Association, Turkish Solar Energy Association, and the past Country Coordinator of Wind Energy for CENTO. He has developed seven standards on Heat Pumps, three standards on Radiant Panel Heating and Cooling, and authored the revised Chapter 6 in ASHRAE Handbook on Radiant Panel Heating and Cooling and four other chapters at a capacity of principal reviewer. He is the co-author of a most recent book on Cogeneration with renewables. He is the Engineering Track Member of USGBC and has developed several green energy bundles and equipment that can operate directly with low-temperature sources and waste heat. He taught graduate and undergraduate courses at several universities like Gannon University (full time), University of Missouri Rolla (adjunct) and Middle East Technical University (full time) since 1972. Currently, he is the head of Energy Engineering Graduate Program and a full-time professor at Başkent University. In total, he has published more than 400 papers in several journals and proceedings. Dr. Kilkış was always charged with the most challenging sustainable building design and radiant projects and has worked on more than 250 unique projects. Recently, he has established a co-operation with TU Delft University in the Netherlands on Green Initiative Sustainable Campus Project and has authored the Ten-Year Green Campus Project and the Roadmap for Başkent University in collaboration with OSTİM and TU Delft (2012). Dr. Kilkış has been appointed to the Executive Committee membership of the European Union Solar Thermal Technology Platform in 2015.