



## **Dr. Birol I. Kilkis Fellow ASHRAE**

*Distinguished Lecturer, Exceptional Service and Distinguished Service Awards, ASHRAE  
Science Encouragement Award, TÜBİTAK, 1981*

*Country Manager, World Alliance for De-Centralized Energy*

*Professor Baskent University and Chair of Energy Engineering Graduate Program*

*Honored Member, America's Registry of Outstanding Professionals*

*Vice Chair EU Technologies Platform RHC*

Dr. Kilkis received his Ph.D. degree in Mechanical Engineering with high honors 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. Kilkis has been working on heat transfer, unified heat transfer theory, high-performance buildings, quantum mechanics, fluid dynamics, heat pumps, energy strategies, aerodynamics, exergy analysis, combined heat and power, tri-generation, ORC, integrated solar PV systems, simulation, and computer aided design of green buildings.

He has been very active in wind and solar energy, heat pumps, small hydro-turbines, green energy, sustainable buildings, innovative HVAC systems, geothermal energy, environmental issues, low-exergy and waste heat utilization, district energy systems, energy strategies, innovation in sustainable systems of the future, and green habitat optimization. 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.

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 Baskent University in collaboration with OSTİM and TU Delft (2012). Dr. Kilkis has been appointed to the Executive Committee membership of the European Union Solar Thermal Technologies Platform is 2015. Currently he is the vice chair of EU Technology Platform Renewable Heating and Cooling (RHC)