

## **Professor Tolga Yarman**

*Ph.D. in Nuclear Science and Engineering (1972),  
Massachusetts Institute of Technology*

Graduate from Institut National des Sciences Appliquées de Lyon (France) in Energy Engineering, equivalent to M.Sc. (1967); Institute of Nuclear Energy at Istanbul Technical University (ITU), equivalent to M.Sc. (1968); Massachusetts Institute of Technology (MIT) with a Ph.D. in Nuclear Science & Engineering (1972).

Worked at the Nuclear Engineering Department of Çekmece Nuclear Research and Training Center between the periods of 1972-73 and 1975-77.

Served in the Turkish Armed Forces at the Ankara General-Staff Headquarters between the period 1974-75.

Served as the General Reporter of the Xth World Energy Conference (1977) under the Section of Unconventional Energy Resources.

Appointed as an Associate Professor at the ITU Institute of Nuclear Energy in 1977, and as a Full Professor in 1982.

Appointed as Dean of the Graduate School of Sciences of the University of Anatolia (Eskisehir) in 1983.

Is one of the thirty-three founders of the Social Democrat Party (Turkey), formed in 1983.

Awarded by the Council for International Exchange of Scholars (Washington, D.C.), and enrolled as a Visiting Professor in the Engineering Science Department of the California Institute of Technology in 1984.

Was a member of the Nuclear Regulatory Committee (1975-1982), and the Advisory Board (1978-1982) of the Turkish Atomic Energy Commission.

Had been invited and appointed twice (February 1981 and March 1983) as a fellow to Section Energy, Salzburg Seminar, Leopoldskron Schloss, Austria.

Was invited and appointed as a diplomat to represent the Ministry of Culture of the Republic of Turkey in Brussels between the period of 1994-1997. Through this period, he gave invited lectures at the Faculté des Sciences of the Université Libre de Bruxelles.

Taught several courses in energy engineering, nuclear science and engineering, thermodynamics, fundamentals of physics, nuclear physics, plasma physics, mechanics, electrodynamics, atomistic, physical chemistry, quantum mechanics, and synergetics, at the ITU Department of Chemical Engineering, the Institute for Nuclear Energy of Middle East Technical University, as well as Bogazici University, Anadolu University, Istanbul University, Isik University, and Galatasaray University.

He also delivered courses on nuclear arms race, defense industry, advanced and critical technologies, and technology transfer at the Armed Forces Academy in Istanbul.

Supervised very many M.Sc. and Ph.D. dissertations.

Is author or co-author of several publications made in national or international journals, as well as numerous invited papers presented to national or international meetings.

His academic life-time approach on UMA (*“Universal Matter Architecture”, as he called, i.e. the construct, matter has to delineate already at rest, and away from any field, in order to cope with the end results of the special theory of relativity if brought to a uniform translational motion, or when embedded in a field, such as a gravitational field, or an electric field, it can interact with*), and in this sense, on bridging the end results of the general theory of relativity with quantum mechanics, thusly bridging the atomistic world and the celestial world, that he developed further with the participation of his colleagues through articles he published, in prestigious journals, continue to attract increasing attention from the world scientific community.

Is author of numerous books on energy, nuclear energy, nuclear reactor theory, relativity, quantum mechanics, along with nuclear arms race and defense strategies, as well as a book on “universal ethics”.

Is a member of the Belgian Nuclear Society, and also the American Physical Society.

Currently enrolled as a faculty member in Okan University, Istanbul, Turkey.