

BRIEF CURRICULUM VITAE

T. Nejat Veziroglu

Position & Address: Professor & Director
Clean Energy Research Institute
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| Degrees | Field | Institution | Dates |
|----------|------------------|---------------------------------------|-------|
| A.C.G.I. | Mechanical Engr. | City and Guilds College, London, U.K. | 1946 |
| B.Sc. | Mechanical Engr. | University of London, U.K. | 1946 |
| D.I.C. | Advanced Studies | Imperial College, London, U.K. | 1947 |
| Ph.D. | Heat Transfer | University of London, U.K. | 1951 |

Positions Held:

University of Miami, Coral Gables, FL., Associate Professor, 1962-1966.
University of Miami, Coral Gables, FL., Director, Graduate Studies, 1965-1971.
University of Miami, Coral Gables, FL., Professor, Mechanical Engr., 1966-Present.
Middle East Technical University, Ankara, Turkey, Visiting Professor, Fall of 1969-70;
Summers 1970-71-73-74.
University of Miami, Coral Gables, FL., Chairman, Mech. Engr., June 1971 - September 1975.
University of Miami, Coral Gables, FL., Associate Dean, Research, 1975-79.
Clean Energy Research Institute, Coral Gables, FL., Director, 1974-Present.

Visiting Positions:

| Institution | Capacity | Dates |
|---|--------------------|-------------------|
| Middle East Technical University | Visiting Professor | 1969-70 |
| Middle East Technical University | Visiting Professor | Summers 1971 & 72 |
| Xi'an Jiatong University, China | Visiting Lecturer | Summer 1980 |
| Atomic Research Laboratories, Argentina | Visiting Lecturer | Summer 1985 |

Courses Taught:

Thermodynamics, Heat Transfer, Mass Transfer, Energy Conversion, Nuclear Engineering, Solar Energy, Hydrogen Energy.

Research Topics:

Hydrogen Energy, Solar Energy, Two-Phase Flow Instabilities, Interstitial Heat Transfer, Global Warming, Environmental Problems.

Publications (summary & Last Five Years):

- 350 Papers and Reports on Renewable Energy Sources, Hydrogen Energy, Two-Phase Flow Instabilities and Thermal Contact Conductances.
- 200 Volumes of Proceedings on Alternative Energy Sources, Hydrogen Energy, Heat Transfer, Mass Transfer, Environment and Remote Sensing.
- Monthly Scientific Journal, International Journal of Hydrogen Energy.

- S. A. Sherif, F. Barbir and T. N. Veziroglu, “Towards a Hydrogen Economy,” The Electricity Journal, 18(6); 62-76, 2005.
- M. Momirlan and T. N. Veziroglu, “The properties of hydrogen as fuel tomorrow in sustainable energy system for a cleaner planet,” International Journal of Hydrogen Energy, 30; 795 – 802, 2005..
- Yu.S. Nechaev and T. N. Veziroglu, “On micromechanisms of hydrogen plastification and embrittlement of some technological materials,” American Journal of Applied Sciences, Vol. 2, Number 1, pp 469-472, 2005.
- N. Z. Muradov and T. N. Veziroglu, “From hydrocarbon to hydrogen–carbon to hydrogen economy,” International Journal of Hydrogen Energy, 30; 225-237, 2005.
- M. Ilbas, Y. Kaplan and T. N. Veziroglu, “Hydrogen as burner fuel: modeling of hydrogen-hydrocarbon composite fuel combustion and NOx formation in a small burner,” Int. J. Energy Research 29 (11), 973-990, 2005.
- A. Midilli, Ayfer M., Kale and T. N. Veziroglu, “Hydrogen Energy Potential of Black Sea Deep Water Based on H₂S and Importance for the Region,” Proceedings of International Hydrogen Energy Congress and Exhibition, July 13-15 (2005) Istanbul, Turkey, 2005.
- T. N. Veziroglu, “Ecohealth Problems and Climate Change II: Permanent Solution to Environmental Problems: Hydrogen Energy System,” IFSSH World Congress “Health Challenges of the Third Millenium,” Book of Invited Background Papers,” pp. 315-335, Istanbul, August 21-27, 2005.
- S. Z. Baykara, A. Kale and T. N. Veziroglu, “Possibilities for Hydrogen Production from H₂S in Black Sea, Proceedings of the International Hydrogen Energy Conference, Istanbul, 13-15 July 2005

Scientific & Professional Societies:

International Association of Hydrogen Energy - President
 British Institution of Mechanical Engineers - Fellow
 American Society of Mechanical Engineers - Fellow
 American Association for the Advancement of Science - Fellow
 Association of Turkish American Scientists - Chairman of the Board
 American Institute of Aeronautics & Astronautics - Member
 American Nuclear Society - Member
 American Association of University Professors - Member
 Society of Sigma Xi - Member
 Society of Engineering Science - Member
 International Association for Housing Science - Member
 Society of Heat Science & Technique - Member
 Turkish Physical Society-Member
 Association for Scientific & Technical international Cooperation – Member
 World Constitution & parliament Association, Commission on energy – Member
 Society of Turkish Architects, Engineers & Scientists – Member

Honors & Awards:

Turkish Presidential Science Award, 1975.
 Energy for Mankind Award, 1986.
 25 Years' Service, American Nuclear Society, 1987.

Superior Service to Mankind Award, 1991.

Nominated for Nobel Peace Prize in Economics, 2000.

Scientist of the Year Award, 2006.

Santilli-Galilei Global Medal for Lifetime Commitment to true Scientific Democracy, 2008.

Institutional & Professional Service – Last Five years:

- Represent U.M. at the Florida Solar Energy Center.
- Member, CoE Research Council
- Member, CoE Strategic Planning Committee.
- Member, CAE Dept. Environmental Engineering Committee.
- Have given invited talks to Energy and Environmental groups in U.S.A., Japan, China, Malaysia, France, Turkey, Pakistan, Germany.

