T. Nejat Veziroglu **Curriculum Vitae**

PERSONAL DATA:

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EDUCATION:

Institutional Education: Degrees and Dates Conferred: The City and Guilds College, A.C.G.I., Mechanical Engineering, 1946 London, England University of London, England B.Sc. Mechanical Engineering, 1946 The Imperial College of Science, D.I.C., Advanced Studies, London, 1947 Engineering & Technology The University of London Ph.D. - Heat Transfer, 1951 Number of Years Service on this Faculty: 44 years Date of Original Appointment: 1962 - Associate Professor Date of Advancement in Rank:

1966 - Full Professor

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Non-Institutional Training:

The Imperial College of Science and Technology, London - Relaxation Methods, Summer School - 1948.

Electric Power Research Institute, Ankara, Turkey, Nuclear Engineering, Summer School 1956.

Massachusetts Institute of Technology, Cambridge, Two-Phase Flow, Summer School - 1964. University of California, Los Angeles, Nuclear Rocket Propulsion, Summer School -1966.

OTHER RELATED EXPERIENCE:

Instructional:

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.

Professional:

Ruston-Bucyrus, Ltd., Lincoln, England, Summer 1943. Alfred Herbert, Ltd., Coventry, England, Summer 1945. Ordinance Inventions Examiner, Turkish Government, 1952-53. Office of Soil Products, Ankara, Engineer & Scientific Advisor, 1954-56. Engineering Consultant, Istanbul, 1957-58. M. K. Veziroglu Construction Co., Istanbul, Turkey, Technical Director, 1959-61. United National Industrial Development Organization - International Centre for Hydrogen Energy Technologies (UNIDO-ICHET) Founding Director, 2004-2007.

Consulting:

Technical Review Board, Energy Planning Service Division of Petroconsultants - Consultant. Society of Heat Science & Technique - Member. Consultant Registry, Academy for Educational Development. Consultant for Heat Transfer Engineering; National Science Foundation; University of Missouri, A.S.M.E. Journal of Heat Transfer; International Journal of Heat Transfer. Conference Management, W. P. Johnson & Associates - Consultant. Consultant for United Nations Industrial Development Organization. Consultant, Referee Directory for Research Support System, Kuwait University. Consultant, Dirasat Hundasia Journal, United Arab Emirates University. States in which Registered: Turkey

PUBLICATIONS Books Published

- 1. <u>Proceedings of the Hydrogen Economy Miami Energy (THEME) Conference</u>, Editor, University of Miami Press, Coral Gables, FL, March 1974.
- 2. <u>Proceedings of the Remote Sensing Applied to Energy Related Problems Symposium</u>, Editor, University of Miami Press, Coral Gables, FL, December 1974.
- 3. <u>Hydrogen Energy</u>, two volumes, Editor, Plenum Press, New York, NY, March 1975.
- 4. <u>Introduction to Hydrogen Energy</u>, Editor, International Association for Hydrogen Energy, Coral Gables, FL, 1975.
- 5. <u>Proceedings of the Hydrogen Energy Fundamentals Symposium</u>, Editor, University of Miami Press, Coral Gables, FL, February 1975.
- 6. <u>Remote Sensing Energy Related Studies</u>, Editor Hemisphere Publishing Corp., Washington, DC, 1975.
- 7. <u>Proceedings of the First World Hydrogen Energy Conference</u>, three volumes, Editor, University of Miami, Coral Gables, FL, 1976.
- 8. <u>Proceedings of Condensed Papers of the Two-Phase Flow and Heat Transfer Symposium</u>, Editor, Clean Energy Research Institute, University of Miami, Coral Gables, FL, December 1976.
- 9. <u>Proceedings of Condensed Papers of the Solar Cooling and Heating National Forum</u>, Editor, Clean Energy Research Institute, University of Miami, Coral Gables, FL, December 1976.
- 10. <u>Proceedings of the Energy Conservation National Forum</u>, Editor, Clean Energy Research Institute, University of Miami, Coral Gables, FL, January 1977.
- 11. <u>Two-Phase Flow and Heat Transfer</u> (Istanbul, August 1976), Co-Editor, with S. Kakaç and F. Mayinger, Hemisphere Publishing Corporation, Washington, DC, July 1977.
- 12. <u>Two-Phase Transport & Reactors Safety</u>, Ft. Lauderdale, October 1976, Co-Editor with S. Kakaç, Hemisphere Publishing Corporation, Washington, DC, August 1977.
- 13. <u>Abstracts of Lectures and Papers: Izmir International Symposium I on Solar Energy</u> <u>Fundamentals and Application</u> (Izmir, Turkey, August, 1977), Editor, University of Miami Press, Coral Gables, FL, August.

- 14. <u>Final Proceedings of the Solar Cooling and Heating National Forum</u>, Editor, Hemisphere Publishing Corporation, Washington, DC, September 1977.
- 15. <u>Proceedings of the Condensed papers of the Miami International Conference on Alternative</u> <u>Energy Sources</u>, Editor, University of Miami Press, Coral Gables, FL, December 1977.
- 16. <u>Alternative Energy Sources An International Compendium</u>, Editor, Hemisphere Publishing Corporation, Washington, DC, 1978.
- Proceedings of the Condensed Papers of the Fifth Ocean Thermal Energy Conversion (OTEC) Conference, Co-Editor with A. Lavi, U.S. Government Printing Office, Washington, DC, February 1978.
- 18. <u>Proceedings of the Fifth Ocean Thermal Energy Conversion Conference</u>, Co-Editor with A. Lavi, U. S. Government Printing Office, Washington, DC, September 1978.
- 19. <u>Symposium Lectures: First International Conference on Solar Energy</u>, Editor, University of Miami Press, Coral Gables, FL., June 1978.
- 20. <u>Proceedings of the Condensed Papers of the Solar Energy and Conservation Symposium-Workshop</u>, Editor, University of Miami Press, Coral Gables, FL December 1978.
- 21. <u>Second World Hydrogen Energy Conference Proceedings</u>, Editor, Pergamon Press, Ltd., London, England, 1978.
- 22. <u>Proceedings of the Extended Abstracts of the Second Multi-Phase Flow and Heat Transfer</u> <u>Symposium-Workshop</u>, Editor, University of Miami Press, Coral Gables, FL, April 1979.
- 23. <u>Condensed Papers of the Second Miami International Conference on Alternative Energy</u> <u>Sources</u>, Editor, University of Miami Press, Coral Gables, FL, December 1979.
- 24. Solar Energy: International Progress, Editor, Pergamon Press, Inc., New York, NY, 1980.
- 25. <u>Solar Energy and Conservation Technology</u>, Editor, Pergamon Press, Inc., New York, NY, 1980.
- 26. Multiphase Transport, Editor, Hemisphere Publishing Corporation, Washington, DC, 1980.
- 27. <u>Hydrogen Energy Progress</u>, Co-Editor with K. Fuehi and T. Ohta, Pergamon Press, Ltd., London, England, 1980.
- 28. <u>Condensed Papers of the Third Miami International Conference on Alternative Energy</u> <u>Sources</u>, Editor, University of Miami Press, Coral Gables, FL, 1980.
- 29. <u>Alternative Energy Sources II</u>, Editor, Hemisphere Publishing Corporation, Washington, DC, 1981.

- 30. <u>Condensed Papers of the Miami International Symposium Metal-Hydrogen Systems</u>, Editor, University of Miami Press, Coral Gables, FL, 1981.
- 31. <u>Condensed Papers o the 4th Miami International Conference on Alternative Energy Sources</u>, editor, University of Miami Press, Coral Gables, FL, 1981.
- 32. <u>Condensed Papers of the 16th Southeastern Seminar on Thermal Sciences</u>, Editor, University of Miami Press, Coral Gables, FL, 1982.
- 33. <u>Metal-Hydrogen Systems, Proceedings of Full Length Papers</u>, Editor, Pergamon Press, Ltd., Oxford, England, 1982.
- 34. <u>Fourth World Hydrogen Energy Conference</u>, Co-Editor with W. D. Van Vorst and J. H. Kelley, Pergamon Press, Ltd., Oxford, England, 1982.
- 35. <u>Alternative Energy Sources IV</u>, Editor, Ann Arbor Science Publishers, Woburn, MA 1982.
- 36. <u>Condensed Papers of the 5th Miami International Conference on Alternative Energy Sources</u>, Editor, University of Miami Press, Coral Gables, FL, 1982.
- Lecture Book, International Symposium-Workshop on Renewable Energy Sources, Co-Editor with M. K. Bhatty, H. W. Hiser and R. A. Siddiqui, PCSIR Laboratories, Lahore, Pakistan, 1983.
- 38. <u>Condensed Papers of the Third Multi-Phase Flow and Heat Transfer Symposium-workshop</u>, Editor, University of Miami Press, Coral Gables, FL, 1983.
- 39. <u>Condensed Papers of the Sixth Miami International Conference on Alternative Energy</u> <u>Sources</u>, Editor, University of Miami Press, Coral Gables, FL, 1983.
- 40. <u>Condensed Papers of the Miami International Symposium on the Biosphere</u>, Editor, University of Miami Press, Coral Gables, FL, 1983.
- 41. <u>Alternative Energy Sources III</u>, Editor, Hemisphere Publishing Corporation, New York, NY, 1983.
- 42. <u>Alternative Energy Sources IV</u>, Editor, Editor, Elsevier Science Publishers, The Netherlands, 1983.
- 43. <u>Thermal Science 16</u>, Editor, Hemisphere Publishing Corporation, New York, NY, 1983.
- 44. <u>Renewable Energy Sources: International Progress</u>, Editor, Elsevier Science Publishers, The Netherlands, 1984.

- 45. <u>Condensed Papers of the China-U.S. Seminar on Two-Phase Flow and Heat Transfer</u>, Co-Editor with X.-J. Chen, Xin Jiatong University, China, 1984.
- 46. <u>Multi-Phase Flow and Heat Transfer III</u>, Editor, Elsevier Science Publishers, New York, NY, 1984.
- 47. <u>Hydrogen Energy Progress V</u>, Co-Editor with J. B. Taylor, Pergamon Press, Ltd., Oxford, England, 1984.
- 48. <u>The Biosphere: Problems and Solutions, Studies in Environmental Science</u>, Editor, Elsevier Science Publishers, The Netherlands, 1985.
- 49. <u>Condensed Papers of the International Symposium-Workshop on Particulate and Multi-Phase</u> <u>Processes and 16th Annual Meeting of the Fine Particle Society</u>, Co-editor with T. Ariman, University of Tulsa, OK, 1985.
- 50. <u>Alternative Energy Sources VI (Proceedings of the 6th Miami International Conference on</u> <u>Alternative Energy Sources</u>), Editor, Hemisphere Publishing Corporation, New York, NY, 1985.
- 51. <u>Two-Phase Flow and Heat Transfer: China U.S. Progress</u>, Co-editor with X.-J. Chen, Hemisphere Publishing Corporation, New York, NY, 1985.
- 52. <u>Condensed Papers of the 7th Miami International Conference on Alternative Energy Sources</u>, University of Miami Press, Coral Gables, FL, 1985.
- 53. <u>International Journal of Hydrogen Energy</u>, Monthly Scientific Journal, Editor, Pergamon Press, Oxford, England, 1985.
- 54. <u>Particulate and Multi-Phase Processes (Proceedings of the International Symposium-Workshop on Particulate and Multi-Phase Processes)</u>, Co-editor with T. Ariman, Hemisphere Publishing Corporation, New York, NY, 1986.
- 55. <u>Hydrogen Systems: Beijing Forum (Proceedings of the Beijing International Symposium on Hydrogen Systems)</u>, Co-editor with D. Bao and Y. Zhu, Pergamon Press, Oxford, England, 1986.
- 56. <u>Alternative Energy Sources VII (Proceedings of the 7th Miami International Symposium on</u> <u>Alternative Energy Sources)</u>, Editor, Hemisphere Publishing Corporation, New York, NY, 1986.
- 57. <u>Proceedings of the International Symposium-Workshop on Silicon Technology Development</u> <u>and its Role in the Sun Belt Countries</u>, Co-editor with A. Mufti, National Institute of Silicon Technology, Islamabad, Pakistan, June 1987.
- 58. <u>Condensed Papers of the 4th Miami International Symposium on Multi-Phase Transport and</u> <u>Particulate Phenomena</u>, University of Miami Press, Coral Gables, FL, December 1986.

- 59. <u>Hydrogen Energy Progress VI (Proceedings of the 6th World Hydrogen Energy Conference)</u>, Co-editor with N. Getoff and P. Weinzierl, Pergamon Press, New York, NY 1986.
- 60. International Symposium-Workshop on Silicon Technology Development and Its Role in the <u>Sun-Belt Countries</u>, Co-editor with A. Mufti, Pan Graphics (Pvt) Ltd., Islamabad, Pakistan, 1987.
- 61. <u>Condensed Papers of the 8th Miami International Conference on Alternative Energy Sources</u>, University of Miami Press, Coral Gables, FL, December 1987.
- 62. <u>Multi-Phase and Particulate Transport IV (Proceedings of the 4th Miami International</u> <u>Symposium on Multi-Phase Transport and Particulate Phenomena)</u>, Editor, Hemisphere Publishing Corporation, New York, NY, 1988.
- 63. <u>Hydrogen Energy Progress VII (Proceedings of the 7th World Hydrogen Energy Conference)</u>, Co-editor with A. N. Protsenko, Pergamon Press, New York, NY, 1988.
- 64. <u>Condensed Papers of the 5th Miami International Symposium on Multiphase Transport and</u> <u>Particulate Phenomena</u>, University of Miami Press, Coral Gables, FL, December 1988.
- 65. <u>Alternative Energy Sources VIII (Proceedings of the 8th Miami International Conference on</u> <u>Alternative Energy Sources)</u>, Editor, Hemisphere Publishing Corporation, New York, NY, 1989.
- 66. <u>Condensed Paper of the 9th Miami International Congress on Energy and Environment</u>, University of Miami Press, Coral Gables, FL, December 1989.
- 67. <u>Environmental Problems and Solutions: Greenhouse Effect, Acid Rain, Pollution</u>, Editor, Hemisphere Publishing Corporation, New York, NY, 1989.
- 68. <u>Multiphase Transport and Particulate Phenomena</u>, Editor, Hemisphere Publishing Corporation, New York, NY, 1990.
- 69. Energy and Environment Progress I, Nova Science Publishers, Commack, NY, 1990.
- 70. Hydrogen Energy Progress VIII, Editor, Pergamon Press, New York, NY, 1990.
- 71. <u>Condensed Papers of the 6th Miami International Symposium on Heat and Mass Transfer</u>, Editor, Clean Energy Research Institute, University of Miami, Coral Gables, FL, 1990.
- 72. International Journal of Energy Environment Economics, Nova Science Publishers, Commack, NY 1990.
- 73. <u>Multiphase Transport and Particulate Phenomena</u>, Editor, Hemisphere Publishing Corporation, New York, NY, 1990.
- 74. Energy and Environmental Progress, Nova Science Publishers, Commack, NY, 1991.

- 75. <u>Solar Hydrogen Energy: The Power to Save the Earth</u>, co-authored with J. O'M. Bockris, McDonald Group Optima, England, 1991.
- 76. <u>Project Hydrogen '91: Launching a Sustainable Energy Future</u>, Co-editor with R. Billings, Proceedings of Project Hydrogen '91 Conference, Independence, MO, 1992.
- 77. <u>Hydrogen Energy Progress IX</u>, Editor, International Association for Hydrogen Energy, Coral Gables, FL, 1992.
- 78. <u>Hydrogen Energy Progress X</u>, Co-Editor with D. Block, International Association for Hydrogen Energy, Coral Gables, FL, 1992.
- 79. <u>Heat and Mass Transfer: An Era of Change</u>, Editor, Nova Science Publishers, Inc., Commack, NY, 1994.
- 80. <u>Condensed Papers of the International Conference on Energy and Environment</u>, Co-Editor, National Natural Science Foundation of China, 1995.
- 81. <u>HYPOTHESIS: Hydrogen Power Thermal and Electrochemical Systems International</u> <u>Symposium</u>, Co-Editor with S. P. Cicconardi and D. Dini, Cassino-Gaeta, Italy, 1995.
- 82. <u>New Materials for Fuel Cell Systems I</u>, Co-Editor with O. Savadogo and P. R. Roberge, Les Editions de l'Ecole Polytechnique de Montreal, Montreal, Quebec, Canada, 1995.
- 83. <u>Hydrogen Energy Progress XI</u>, Proceedings of the 11th World Hydrogen Energy Conference, Co-Editor with C.-J. Winter, J. P. Baselt and G. Kreysa, International Association for Hydrogen Energy, Coral Gables, FL, 1996.
- <u>Hydrogen Energy Progress XII</u>, Proceeding of the 12th World Hydrogen Energy Conference, Co-Editor with J. C. Bolcich, International Association for Hydrogen Energy, Coral Gables, FL 1998.
- 85. <u>Hydrogen Energy Progress XIII</u>, Proceedings of the 13th World Hydrogen Energy Conference, Co-Editor with Z. Q. Mao, Beijing, China, June 2000.
- 86. <u>Hydrogen Energy Progress XIV</u> (CD Rom), Editors: T. Nejat Veziroglu and Tapan Bose, Int. Assoc. Hydrogen Energy, June 2002.
- <u>Hydrogen Materials Science and Chemistry of Metal Hydrides</u>, Editors: T. N. Veziroglu, S. Y. Zaginaichenko, D. V. Schur and V. I. Trefileov, NATO Science series, V82, Kluver Academic Publishers, September 2002.
- 88. Hydrogen Energy Progress XV, Editors: T. Nejat Veziroglu and. Ken-Ichiro Ota, June 2004.
- Hydrogen Energy Progress XVII, Editors: T. Nejat Veziroglu and Pierre Derozier, June 2006.

90. Hydrogen Materials Science and Chemistry of Carbon Nanomaterials, Editors: T. Nejat Veziroglu, Svetlana Yu. Zaginaichenko, Dmitry V. Schur, B. Baranowski, Anatoliy P. Shpak and Valeriy V. Skorokhod, September 2003.

Book Chapters

- "Environmental Challenges and the Post-Fossil Fuel Era," Editor of Chapter, in <u>Risk and</u> <u>Uncertainty in the Changing Global Energy Market Implications for the Gulf</u>, first published in 2004, by The Emirates Center for Strategic Studies and Research, Abu Dhabi, United Arab Emirates.
- 2. "Managing Risk and Uncertainty: Conclusions," Editor of a Chapter, in <u>Risk and Uncertainty in</u> <u>the Changing Global Energy Market Implications for the Gulf</u>, first published in 2004, by The Emirates Center for Strategic Studies and Research, Abu Dhabi, United Arab Emirates.
- "Study of Thermodynamic Parameters of Hydrogen Gas by Grapho-Analytic Method," Editor of a Chapter in <u>Hydrogen Materials Science and Chemistry of Carbon Nanomaterials</u>, with B. Ibrahimoglu, A. Huseynov and D. Schur, et al., 225-232. ©2004 Kluwer Academic Publishers, Netherlands.
- 4. "Hydrogen Energy Solutions." Editor of a Chapter in <u>Environmental Solutions</u>, with S. A. Sherif, F. Barbir, N. L. Nemerow, and F. J. Agardy, Elsevier Science, Inc., New York, 2005.
- 5. "Wind Energy and the Hydrogen Economy: Review of the Technology," <u>Solar Energy</u>, Vol. 78, No. 5, pp. 647-660, May 2005.
- 6. "Hydrogen Energy Technologies," in CRC Handbook of Energy Conservation and Renewable Energy, F. Kreith and D. Y. Goswami, (Editors) Boca Raton, Florida, jointly with S. A. Sherif and F. Barbir.
- "Hydrogen Energy Technologies" Handbook Chapter, Handbook of Energy Conservation and Renewable Energy, jointly with S. A. Sherif, F. Barbir, M. Mahishi, M., and S.A. Srinivasan, In CRC Kreith, F. and Goswami, D.Y. (Editors), Boca Raton, Florida, 2006, pp. 27.1-27.16

JURIED OR REFEREED PAPERS

- 1. "Thermal Conductance of Metal Surfaces in Contact," jointly with M. Fishenden, <u>Proc.</u> <u>International Heat Transfer Conference</u>, London, Institute of Mechanical Engineers, American Society of Mechanical Engineers, 1951.
- 2. "A Parametric Study of Boiling Instability," jointly with A. H. Stenning, <u>Proc. of the ASME</u> <u>Winter Annual Meeting</u>, Paper No. 64-WAK/FE-28, December 1964.

- "Oscillations in Two-Component, Two-Phase Flow," jointly with A. H. Stenning, <u>Proc. of</u> <u>the ASME Applied Mechanics and Fluids Engineering Joint Conference</u>, Paper No. 65-FE-24, June 1965.
- "Flow Oscillation Modes in Forced-Convection Boiling," jointly with A. H. Stenning, <u>Proc.</u> of the 1965 Heat Transfer and Fluid Mechanics Institute at Los Angeles, Paper No. 18, June 1965.
- 5. "Density-Wave Oscillations in Boiling Freon-11 Flow," jointly with A. H. Stenning, Proc. of the ASME Winter Annual Meeting, Paper No. 66-WA/HTI-49, November 1966.
- 6. "Pressure-Drop Oscillations in Forced Convection Flow with Boiling," jointly with A. H. Stenning and G. M. Callahan, <u>Proc. of the EURATOM Symposium on Dynamics of Two-Phase Flows</u>, Eindhoven, The Netherlands, September 1967.
- "Instabilities on Boiling Upwards Flows," jointly with S. S. Lee, <u>Proc. of the International</u> <u>Symposium on Research on Concurrent Gas-Liquid Flow</u>, Waterloo, Canada, September 1968.
- 8. "Thermal Conductance on Two-Dimensional Constrictions," jointly with S. Chandra, <u>Progress in Astronautics and Aeronautics</u>, Vol. 21, 1969.
- 9. "Boiling Flow Instabilities in Parallel Channels," jointly with S. S. Lee, <u>Proc. of the Joint</u> <u>Symposium on Fluid Mechanics and Measurements in Two-Phase Flow Systems</u>, University of Leeds, England, September 1969.
- 10. "Direction Effect in Thermal Contact Conductance," jointly with S. Chandra, <u>Proc. of the</u> <u>Fourth International Heat Transfer Conference</u>, Paper Cu 3.5, Vol. 1, August 1970.
- 11. "Boiling Flow Instabilities in a Cross-Connected Parallel Channel Upflow System," jointly with S. S. Lee, <u>Proc. of the ASME AICHE Heat Transfer Conference</u>, ASME Paper, Tulsa, OK, August 1971.
- "Boiling Flow Instabilities in Four Parallel Channel Upflow System," jointly with S. Kakaç, H. B. Aksu and Y. Alp, <u>Proc. of the International Meeting on Reactor Heat Transfer</u>, Karlsruhe, West Germany, October 1973.
- "Thermal Conductance of Contacts with Interstitial Plates," jointly with H. Yüncü, <u>Proc. of</u> <u>the XII International Conference on Thermal Conductivity</u>, University of Missouri-Rolla, Rolla, MO, November 1973.
- 14. "Dynamics of a Universal Hydrogen Fuel System," jointly with O. Basar, <u>Proc. of the Hydrogen Economy Miami Energy (THEME) Conference</u>, Miami Beach, FL, March 1974.
- 15. "Hydrogen as a Universal Fuel," jointly with O. Basar, <u>Proc. of the International Conference</u> on Energy, Europe and the 1980's, London, England, May 1974.

- "Sustained and Transient Boiling Flow Instabilities in a Cross-Connected Four Parallel Channel Upflow System," jointly with S. Kakaç, K. Akyuzlu and O. Berkol, <u>Proc. of the</u> <u>Fifth International Heat Transfer Conference</u>, Paper No. B5-11, Tokyo, Japan, September 1974.
- "Remote Sensing Applied to Thermal Pollution," jointly with S. S. Lee, S. Sengupta and N. Weinberg, <u>Proc. of Symposium on Remote Sensing Applied to Energy-Related Problems</u>, Miami, FL, 2-4 December 1974.
- 18. "Application of Remote Sensing to Numerical Modeling," jointly with S. S. Lee, S. Sengupta and N. Weinberg, <u>Proc. of Symposium on Remote Sensing Applied to Energy-Related Problems</u>, Miami, FL, 2-4 December 1974.
- 19. "Near and Far-Field Models of Coastal Areas," jointly with S. Sengupta, S. S. Lee, <u>Proc. of</u> <u>the Review Meeting on Hydrodynamical Numerical Models for Coastal and Open Ocean</u> <u>Areas</u>, (American Geophysical Union) at Monterey, CA, December 1974.
- "Application of Remote Sensing to Thermal Pollution Analysis," jointly with H. W. Hiser, S. S. Lee and S. Sengupta, <u>Proc. of the Fourth Annual Remote Sensing of Earth Resources</u> <u>Conference</u>, University of Tennessee Space Institute, Tullahoma, TN, March 1975.
- 21. "Survey of World Power Demand and Future Energy Sources," jointly with S. Kakaç, <u>Proc.</u> <u>Energy Symposium</u>, Shiraz, Iran, April-May 1975.
- 22. "Monitoring of Thermal Discharges into Biscayne Bay," jointly with S. Kakaç, <u>Proc.</u> <u>Southeastern Seminar on Thermal Sciences</u>, Knoxville, TN, April 1975.
- 23. "Mathematical Modeling of Thermal Pollution in Coastal Regions," jointly with S. S. Lee, S. Sengupta and C. Tsai, <u>Proc. Southeastern Seminar on Thermal Sciences</u>, Knoxville, TN, April 1975.
- 24. "Hydrogen Energy System and Population Control," jointly with S. Kakaç, O. Basar and N. Forouzanmehr, <u>Proc. of the U.S.-Japan Joint Seminar on Key Technologies for the Hydrogen Energy System</u>, Tokyo, Japan, 20-23 July 1975.
- 25. "A Universal Hydrogen Energy System and World Parameters," <u>Proc. Symposium-Introduction to Hydrogen Energy</u>, Maracay, Venezuela, October 1975.
- 26. "Solar Production of Hydrogen as a Means of Storing Solar Energy," jointly with S. Kakaç, <u>Proc. of the COMPLES International Meeting</u>, Dhahran, Saudi Arabia, 1-6 November 1975.
- 27. "Hydrogen Production Using Nuclear, Solar and Other Primary Energies," jointly with S. Kakaç, <u>Proc. International Conference on Mechanical Engineering with Main Emphasis on Energy</u>, Lahore, Pakistan, March 1976.
- 28. "The Solar-Hydrogen Energy System," jointly with T. Ohta, <u>Proc. Thirteenth Space</u> <u>Congress</u>, Cocoa Beach, FL, April 1976.

- 29. "Fossil/Hydrogen Energy Mix and Population Control," jointly with S. Kakaç, O. Basar and N. Forouzanmehr, <u>International Journal of Hydrogen Energy</u>, June 1976.
- 30. "Fundamentals of Two-Phase Flow Oscillations and Experiments in Single Channel Systems," jointly with S. S. Lee and S. Kakaç, <u>Proc. NATO Advanced Study Institute</u>, Istanbul, Turkey, August 1976.
- 31. "Sustained and Transient Boiling Flow Instabilities in Two-Parallel Channel Systems," jointly with S. S. Lee and S. Kakaç, <u>Proc. NATO Advanced Study Institute</u>, Istanbul, Turkey, August 1976.
- 32. "Boiling Flow Instabilities in a Multi-Channel Upflow System," jointly with S. Kakaç and S. S. Lee, <u>Proc. NATO Advanced Study Institute</u>, Istanbul, Turkey, August 1976.
- 33. "Sustained Boiling Flow Instabilities in a Cross-Connected Four Parallel Channel Upflow System," jointly with S. Kakaç, <u>Proc. CHISA -75</u>, Prague, Czechoslovakia, August 1976.
- 34. "Analysis of Thermal Conductance of Contacts with Interstitial Plates," jointly with H. Yüncü and S. Kakaç, <u>Int. Journal of Heat and Mass Transfer</u>, Vol. 19, No. 9, pp. 959-966, 1976.
- 35. "Transient Boiling Flow Instabilities in Four Parallel Channel Upflow System," jointly with S. Kakaç and N. Ozboya, <u>Two-Phase Flow and Heat Transfer Symposium Proc.</u>, Ft. Lauderdale, FL, October 1976.
- 36. "Production of Hydrogen as a Means of Storing Energy," jointly with S. Kakaç, <u>Proc. of the</u> <u>1st World Hydrogen Energy Conference</u>, Istanbul, Turkey, September 1977.
- 37. "Solar Production of Hydrogen," jointly with S. Kakaç, Chapter 18 of <u>Solar Energy</u> <u>Engineering</u>, Academic Press, Inc., NY, 1977.
- 38. "Principles of Solar Cooling and Heat," jointly with A. J. Parker, Jr., and D. E. Cassel, <u>Symposium Lectures, International Symposium-Workshop on Solar Energy</u>, Cairo, Egypt, June 1978.
- 39. "Application of Solar Cooling for a School Building in the Subtropics," jointly with A. J. Parker, Jr., D. E. Cassel, and R. E. Hedden, <u>Symposium Lectures, International Symposium-Workshop on Solar Energy</u>, Cairo, Egypt, June 1978.
- 40. "An Energy Infrastructure: Hydrogen Energy System," Interciencia, 1978.
- 41. "The Case for Hydrogen Energy," <u>The UNESCO Courier</u>, June 1978.
- 42. "Effect of Inlet Subcooling on Sustained and Transient Boiling Flow Instabilities in a Single Channel Upflow System," jointly with S. Kakaç, H. S. Ergur, and I. Ucar, <u>Proc. of the 6th</u> <u>International Heat Transfer Conference</u>, Toronto, Canada, August 1978.
- 43. "Unusual Applications of Hydrogen," J. Energy Systems, April 1979.

- 44. "Finite Differences Analysis of Two-Phase Flow Pressure-Drop and Density-Wave Oscillations," jointly with T. Dogan, S. Kakaç and K. Akyuzlu, <u>Proc. 2nd Multi-Phase Flow and Heat Transfer Symposium Workshop</u>, Miami Beach, FL, April 1979: also named Warme-und Stoffubertragung 14, pp. 253-267, 1980.
- 45. "Lumped-Parameter Analysis of Two-Phase Flow Instabilities," jointly with T. Dogan, S. Kakaç and K. Akyuzlu, <u>Proc. 2nd Multi-Phase Flow and Heat Transfer Symposium-Workshop</u>, Miami Beach, FL, April 1979.
- 46. "A Comparison of Regional and World Energy Models," jointly with S. M. Ridenour, <u>Proc.</u> <u>Seminar on Cooperative Technological Forecasting: Solar Energy</u>, Puerto de la Cruz, Tenerife, Canary Islands, Spain, July 1979.
- 47. "Hydrogen Production by Thermoelectrochemical Cycles Using Sodium Chloride," jointly with A. A. El-Bassuoni, <u>Proc. 2nd Miami International Conference on Alternative Energy</u> <u>Sources</u>, Miami Beach, FL, December 1979.
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- 296. "Hydrogen from hydrogen sulphide in Black Sea", jointly with S.Z. Baykara, E.H. Figen and A. Kale, <u>International Journal of Hydrogen Energy</u>, 32; 1246-1250: 2007.
- 297. "Modeling and simulation of the production of hydrogen using hydroelectricity in Venezuela", jointly with Alfonso Contreras and Fausto Posso, <u>International Journal of Hydrogen Energy</u>, 32; 1219-1224: 2007.

- 298. "Estimates of the price of hydrogen as a medium for wind and solar sources", jointly with John O'M Bockris, International Journal of Hydrogen Energy, 32; 1605-1610: 2007.
- 299. "21st Century's Energy: Hydrogen Energy System," Assessment of Hydrogen Energy for Sustainable Development, Springer, pages 9-31, 2007.

Articles and Editorials:

- Hydrogen civilization of the future—A new conception of the IAHE ARTICLE International Journal of Hydrogen Energy, Volume 31, Issue 2, February 2006, Pages 153-159 V.A. Goltsov, T.N. Veziroglu and L.F. Goltsova
- 2. Jubilee Greetings from the IAHE President EDITORIAL International Journal of Hydrogen Energy, Volume 31, Issue 2, February 2006, Page 151 T. Nejat Veziroglu
- 3. Editorial EDITORIAL International Journal of Hydrogen Energy, Volume 31, Issue 7, June 2006, Page 817 T. Nejat Veziroglu
- 4. IJHE grows with Hydrogen Economy EDITORIAL International Journal of Hydrogen Energy, In Press, Corrected Proof, Available online 18 December 2006, T. Nejat Veziroglu
- 5. IJHE mobilizes to reach Hydrogen Civilization EDITORIAL International Journal of Hydrogen Energy, Volume 33, Issue 1, January 2008, pages 1-2, T. Nejat Veziroglu.

OTHER PUBLICATIONS

- 1. "A Parametric Study of Boiling Instability," jointly with A.H. Stenning, NASA Grant NSG-424, Report No. 1, September 1963.
- 2. "Boiling Flow Instability," jointly with A.H. Stenning, NASA Grant NSG-424, Report No. 2, November 1963.
- 3. "Boiling Flow Instability," jointly with A.H. Stenning, NASA Grant NSG-424, Report No. 3, May 1964.
- 4. "Oscillations in Two-Phase Two Component Flows," jointly with A.H. Stenning, NASA CR-59504, October 1964.
- 5. "Boiling Flow Instability," Jointly with A.H. Stenning, NASA Grant NSG-424, Report No.5, November 1964.

- 6. "Flow Oscillation Modes in Forced-Convection Boiling," jointly with A.H. Stenning, NASA Grant NSG-424, January 1965.
- 7. "Instabilities in the Flow of Boiling Liquid," jointly with A.H. Stenning, NASA CR-164, February 1965.
- 8. "Boiling Flow Instability," NASA Grant NSG-424, Report No. 7, May 1965.
- 9. "Boiling Flow Instability," jointly with A.H. Stenning, NASA Grant NSF-424, Report No. 9, March 1966.
- 10. "Density-Wave Oscillations in Boiling Freon-11 Flow," jointly with A.H. Stenning, NASA Grant NSF-424, Report No. 9, March 1966.
- 11. "Correlations of Thermal Contact Conductance Experimental Results," NASA NGR-10-007-010, Report No. 1, February 1967.
- 12. "Oscillations in Two-Component Two-Phase Flow," jointly with A.H. Stenning, NASA CR-72122, Final Report, Vol. 1, February 1967.
- 13. "Flow Oscillations in Forced-Convection Boiling," jointly with A.H. Stenning, NASA CR-72122, Final Report, Vol. 11, February 1967.
- 14. "Oscillations in Boiling Upward Flow," AEC Oak Ridge National Laboratory, Union Carbide Subcontract No. 2785, Final report, July 1967.
- 15. "Thermal Conductance of Two-Dimensional Constructions," jointly with S. Chandra, NASA CR-02584, January 1968.
- 16. "Boiling Upward Flow Instabilities," jointly with S. S. Lee, AEC Oak Ridge National Laboratory, Sub-contract No. 2975, Final Report, July 1968.
- 17. "Thermal Conductance of Two-Dimension Eccentric Constructions," jointly with M. A. Huerta, NASA CR-96281, September 1968.
- "Boiling Flow Instabilities in a Two-Parallel Channel Upflow System," jointly with S. S. Lee, AEC Oak Ridge National Laboratory, Sub-contract No. 2975, Final Report, July 1969.
- 19. "Boiling Flow Instabilities in Cross-Connected Parallel Channels," jointly with S. S. Lee, AEC Oak Ridge National Laboratory, Sub-Contract No. 2975, Final Report, June 1970.
- 20. "Sustained and Transient Boiling Flow Instabilities in a Cross-Connected Parallel Channel Upflow System," jointly with S. S. Lee, AEC Oak Ridge National Laboratory, Sub-contract No. 2975, Final Report, July 1971.

- 21. "Statistical Study of Thermal Contact Conductance," NASA Grant NGR 10j-007-010 Report, NASA CR 126743, June 1972.
- 22. "Instabilities in Liquid -Vapor Flows," jointly with S. Kakaç, Final Report, Project MAG-197, Middle East technical University, Ankara, Turkey, December 1972.
- 23. "Hardness of Cu-Be Alloys at Elevated Temperatures," jointly with N. Forouzanmehr, Final Report to Kawecki Berylco Industries, Inc., Mechanical Engineering Dept., University of Miami, June 1973.
- 24. "Detailed Technical Report: Feasibility of Remote Sensing for Detecting Thermal Pollution," jointly with S. S. Lee, NASA Contract NAS 10-8402, Final Report, NASA CR-134453, December 1973.
- 25. "Executive Summary Report: Feasibility of Remote Sensing for Detecting Thermal Pollution," jointly with S. S. Lee, NASA Contract NAS 10-8402, Executive Report, December 1973.
- 26. "Two-Phase Flow Instabilities in a Four Parallel Channel System with Cross-Connections," jointly with S. Kakaç, O. Berkol and H. Akyuzlu, Final Report, Project MAG-197, Middle East Technical University. Ankara, Turkey, August 1974.
- 27. "Detailed Technical Report: Prediction and Detection of Thermal Pollution," joint with S. S. Lee, NASA Contract NAS 10-8498, Executive Report, October 1974.
- 28. "Executive Summary Report: Prediction and Detection of Thermal Pollution," jointly with S. S. Lee, NASA Contract NAS 10-8498, Executive Report, October 1974.
- 29. "Dade County, Florida School, Commercial Solar Demonstration, Concept Studies for Cooled/Heated Schools in Subtropical Regions," jointly with Investigators and Consultants, Final Report ERDA Contract E- (40-1)-4941 ORO/4941-76/1, September 1976.
- 30. Workshop Report: Two Phase Flow and Heat Transfer Symposium-Workshop, 18-20 October 1976, NSF.
- 31. First Annual Report: Two-Phase Flow Instabilities and Effect of Inlet Subcooling, NSF Project ENG 75:16618, May 1977.
- 32. Workshop Report: Solar Energy and Conservation Symposium-Workshop, Miami Beach, Florida, DoE Contract #DE-ACPI-79 CS 30014, 11-23 December 1978.
- 33. First Annual Report: Thermal Contact Conductance of Multilayered Electrically Insulated Sheets, NSF Project ENG 77:25036, March 1979.
- 34. Workshop Report: Multi-Phase Flow and Heat Transfer Symposium-Workshop, ONR N-00014-79G0012 and NSF ENG-7825272, April 1979.

- 35. Final Report: Two Phase Flow Instabilities and Effect of Inlet Subcooling, NSF Project ENG 75-16618, February 1980.
- 36. Final Report: Thermal Contact Conductance of Multilayered Electrically Insulated Sheets, NSF Project ENG 177:25036, March 1981.
- 37. Annual Report: Two-Phase Flow Instabilities, NSF Project CME 79-29-20018, May 1981.
- 38. Final Report: Two-Phase Flow Instabilities, NSF Project CME 79-29-20018, July 1983.
- 39. Annual Report: Boiling Flow Instabilities in Parallel Channels with Enhanced Heat Transfer, NSF Project MEA 82-14867, May 1984.
- 40. Annual Report: Boiling Flow Instabilities in Parallel Channels with Enhanced Heat Transfer, NSF Project MEA 82-14867, May 1985.
- 41. Final Report: Boiling Flow Instabilities in Parallel Channels with Enhanced Heat Transfer, NSF Project MEA 82-14867, January 1986.
- 42. First Annual Report: Two-Phase Flow Thermal Instabilities in a Single Channel System, NSF Project CBT-86-12282, January 1988.
- 43. Annual Report: Two-Phase Flow Thermal Instabilities in a Single Channel System, NSF Project CBT-86-12282, January 1989.
- 44. Annual Report: Attenuation of Solar Radiation in Atmosphere, NSF Project INT 86-01262/A01, February 1989.
- 45. Annual Report: Fluid Dynamical Models for Determining Wind Characteristics and Their Application in Pakistan, NSF Project INT-8709973, March 1989.
- 46. Annual Report: U.S. Pakistan Joint Research on Advanced Renovation of Small Industry Waste, NSF Project INT18520198, March 1989.
- 47. Annual Report: Hydrogen-Solar Energy System, DoE Project XL 9181681, August 1989.
- 48. Final Report on Textile and Tapestry Industries Waste Treatment, NSF International Research Project, NSF INT 8520198.
- 49. Final Report on Fluid Dynamical Models for Determining Wind Characteristics and Their Application in Pakistan, NSF Project INT-8709973.
- 50. "Solar Hydrogen Energy System as a Permanent Energy Infrastructure," U.S.-Pakistan Symposium on Silicon Technology, Islamabad, Pakistan, May 1993.
- 51. "Comparison of Solar Hydrogen Energy System with the Fossil Fuel System," U.S.-Pakistan Symposium on Silicon Technology, Islamabad, Pakistan, May 1993.

- 52. "Hydrogen Energy System and Environmental Benefits," Tatarstan Academy of Science, Kazan, Russian Federation, June 1993.
- 53. "Global Environmental Problems and Clean Energy Solution," International Conference on New Energy Systems and Conversions, Yokohama, Japan, July 1993.
- 54. "Optimal Clean Energy: Hydrogen Energy System," National Clean Energy Symposium, Istanbul, Turkey, December 1993.
- 55. "Hydrogen: The Ultimate Fuel and Comparison with Fossil Fuels," jointly with F. Barbir, U. S. Geological Survey Conference on Energy Gases Proceedings, 1993.
- 56. "Experimental and theoretical study of a metal hydride beds" jointly with Y. Kaplan and M. D. Mat., 8th Annual SMALL FUEL CELLS(sm), L'Enfant Plaza Hotel Washington, DC USA, April 2-4, 2006.
- 57. "Numerical and experimental investigation of gas evolution and two-phase flow in an electrochemical cell," jointly with M. D. Mat and Y. Kaplan, 8th Annual SMALL FUEL CELLS(sm), L'Enfant Plaza Hotel Washington, DC USA, April 2–4, 2006
- 58. "Experimental and Theoretical Analysis of Two-Dimensional Heat and Mass Transfer During Absorption and Desorption in a Metal-Hydrogen Reactor," jointly with M. D. Mat Y. Kaplan, B. Ibrahimoglu, R. Alibeyli and S. Guliyev, Hydrogen Technoliges kfor Energy Production, President Hotel, Moscow, Russia, 6-10 February 2006.
- 59. "Theoretical and Experimental Study of Two Phase Flow in Water Electrolysis," jointly with M. D. Mat, Y. Kaplan, B. Ibrahimoglu and R. Alibeyli, Hydrogen Technologies For Energy Production, President Hotel, Moscow, Russia, 6-10 February 2006.

SCIENTIFIC AND PROFESSIONAL SOCIETIES

EDITORIAL RESPONSIBILITIES:

Editor, International Journal of Hydrogen Energy Editorial Advisory Board for Advances in Transport Processes, McGill University, Department of Chemical Engineering, Montreal, Quebec, Canada Member, Advisory Board, Energy Review Editor-in-Chief, International Journal of Energy, Environment, Economics Member, International Editorial Board, International Energy Foundation Editor-in-Chief, International Board of Hydrogen Energy, Elsevier Science Editor with Svetlana Yu. Zaginaichenko, Dmitry V. Schur, B. Baranowski, Anatoliy P. Shpak and Valeriy V. Skorokhod, Hydrogen Materials Science and Chemistry of Carbon Nanomaterials, published in 2004, NATO Science Series, Kluwer Academic Publishers.

PROFESSIONAL AND HONORARY ORGANIZATIONS

International Association for Hydrogen Energy, President British Institution of Mechanical Engineers, Fellow American Society of Mechanical Engineers, Fellow American Association for the Advancement of Science, Fellow American Institute of Aeronautics and Astronautics, Member American Nuclear Society, Member American Association for University Professors, Member American Society for Engineering Education, Member Society of Sigma Xi, Member Society of Engineering Science, Member Technical Review Board, Energy Planning Service Division of Petroconsultants, Member Omicron Delta Kappa, Laurel Crowned Circle, Tapee Member Association of Energy Engineers, Member International Association for Housing Science, Member Society of Heat Science and Technique, Member Turkish Physical Society, Member Association for Scientific and Technical International Cooperation, Member Manpower Education and Research Training Committee, Member American Nuclear Society, Florida Section, Member, Membership Committee World Constitution and Parliament Association, Commission on Energy, Chairperson Society of Turkish Architects, Engineers and Scientists, Board of Directors, Honorary Member Advisory Committee of the International Energy Foundation, Member Referee Directory for Research Support System, Kuwait University Dirasat Hundasia Journal, United Arab Emirates University, Reviewer Head and Select U.S. Delegation, American National Standards Institute (official counterpart -United Nations International Standards Organization) Reviewer for Tennessee Technological University Consultant, United Nations Industrial Development Organization

HONORS AND AWARDS

Certificate of Merit for Distinguished Service in Heat Transfer between Surfaces in Contact, Dictionary of International Biography, London, England, 1969.

Turkish Presidential Science Award, 1975.

Medal of City of Paris, in recognition of lecture on "Hydrogen Energy System and its Implications," at the Second International Congress on Hydrogen in Metals, Paris, France, 1977.

Honorary Professorship by Ministry of Education of the People's Republic of China, 1981.

I. V. Kurchatov Medal - Kurchatov Institute of Atomic Energy for Contributions to Energy Research in General, and Hydrogen Energy Research in Particular, Moscow, USSR, 1982.

Who's Who in Technology Today, 1982.

Energy for Mankind Award, Global Energy Society for Eradication of Poverty and Hunger, 1986.

Superior Service to Science Award, Turkish Ministry of Culture, Istanbul, Turkey, 7 June 1991.

Membership Award: American Nuclear Society, in recognition of 25 years of continuous membership and with sincere appreciation of valuable contributions made during this period of membership, which have helped materially in enabling the Society to experience sound growth and make notable progress in accomplishing its goals and objectives.

1995 Annual ATAS Science Award, Washington, DC, 21 January 1995.

Phi Beta Delta, Distinguished Scholar Award, 3 April 1996.

Charter Life Member, The Association of Energy Engineers – 1998.

Honorary Doctorate for work on Hydrogen Energy - conferred by the Senate of the Anadolu University, Eskisehir, Turkey, on the occasion of the 40th Anniversary of their establishment, 20 October 1998.

Member – University of Miami Society of University Founders – 28 January 1999.

Nominated for the Nobel Prize in Economy by the Azerbaijan Academy of Sciences, for both envisioning the Hydrogen Economy and striving towards its realization, 21-24 September 2000.

Honorary Editor-in-Chief, The International Journal of Sciences and Engineering: Research and Applications (IJSE/RA), March 2001.

Honorary doctorate from the Donetsk State Technical University, Donetsk, Urkraine, for contributions to the development and consolidation of hydrogen energy efforts throughout the world, as well as the beneficial cooperation with the Donetsk University, March 2001.

Named "Hydrogen's Leader" in the book, "Our Future is Hydrogen Energy, Environment and Economy" by Robert Siblerud, August 2001.

Honorary Editor-in-Chief, International Scientific Journal for Alternative Energy and Ecology (ISJAEE), March 2002.

2003 World Technology Award for Environment., July 2003

The Johnson A. Edosomwan Scholarly Productivity Award 2004.

500 Distinguished Professor & Scholars of the BWW Society/IAPGS, January 2004.

Joint recipient with Sergio Edgardo Acevedo of the naming of a Park in Santa Cruz, Argentina, for their efforts and special contributions to convert Koluel Kayke to the Hydrogen Energy System, 18 April 2005.

Fair Play Award of the Year 2004 by the President of the Turkish National Olympics Committee, Istanbul, Turkey, 26 May 2005.

Call to World Peace Award from the Universal Brotherhood Award, by the Mevlana Supreme Foundation, for his valuable contributions to World Peace and the Future of Humanity, 1 November 2005.

Doctor Honories Causa by the Senate and the President of Osmangazi University, Eskisehir, Turkey, for his contributions to Hydrogen Energy, 28 November 2005.

Annual Excellence in Professional Service Award by the Beykoz Roatary Club, Istanbul, Turkey, for proposing hydrogen economy and striving towards its establishment, 14 December 2005.

Distinguished Service Award for 50 years of Service by the Chamber of Mechanical Engineers, Mersin, Turkey, 16 December 2005.

Awarded the "Scientist of the Year 2005 Award" by his Alma Mater, Pertevniyal Lyceum, on Monday, 10 April 2006.

Presented with the PICMET Medal of Excellence for Outstanding Contributions to Science, Engineering and Technology Management 11 July 2006.

Heritage Society Certificate and Pin for Generous Support of the University of Miami through Estate and Gift Planning, May 3, 2007.

Forty Five Year Plaque for long term service at the University of Miami, July 2007

Honorary Membership in the European Natural Sciences Academy; presented with their grand Knight Award, 18 November 2007.

Presented with Antonie de Saint Exupery Order for Improvement of Quality of Life for People of Planet Earth, Awarded by the Scientific Technical Center, Sarov, Russia, in July 2007.

Presented with Santilli-Galilei Gold Medal for Lifetime Commitment to True Scientific Democracy, at Craig-y-Nos Castle, Swansea, Wales, U.K., on 7 July 2008.

To be presented with the Nayudamma Award for Outstanding Personality in Science, Engineering and Technology, at R.M.K. Engineering College, Tamil Nadu, India, in August 2009.

ACADEMICS

Subjects or Courses Taught During the Most Recent Academic Year: MEN 310 Heat Transfer; MEN 602 Advanced Heat Transfer Convection Other Assigned Duties Performed During the Academic Year: Director, Clean Energy Research Institute Research on Two-Phase Flow Instabilities Research on Hydrogen Energy Academic Advisor
Proposal Reviewer for N.S.F. & U.S. Civilian R & D Foundation
Paper Reviewer for Int. J. Heat & Mass Transfer and Int. J. Energy Conversion.
Represent U.M. at the Florida Solar Energy Center
Member, CoE Research Council
Member, CoE Strategic Planning Committee
Chair, Search committee for Aerospace/Controls Faculties.
Member, CAE Dept. Environmental Engineering Committee.

TEACHING SPECIALIZATION

Heat Transfer, Nuclear Engineering, Energy Engineering, Hydrogen Energy.

Undergraduate Level:

Thermodynamics, Dynamics, Strength of Materials, Heat Transfer, Mechanical Engineering Laboratories.

Graduate Level:

Nuclear Engineering, Transport Phenomena, Advanced Heat Transfer - Convection, Advanced Dynamics, Advanced Strength of Materials, Solar Energy, Advanced Heat Transfer - Conduction and Radiation.

RESEARCH PERFORMED

Study of Application of Remote Sensing to Detecting Thermal Pollution (feasibility study), 9/1/73-12/31/73, NASA, PI \$27,430.

Study of Application of Remote Sensing to Detecting Thermal Pollution (follow-up of above), NASA, PI \$50,000.

The Hydrogen Economy Miami Energy (THEME) Conference, 2/15/74 - 1/31/75, NSA and DARPA, CPI \$9,900.

Ocean Thermal Research Conference & Workshop, 8/1/75 - 7/31/76, NSF, CPI \$24,000.

Application of Remote Sensing for Prediction & Detection of Thermal Pollution, 9/1/74 - 8/31/75, NASA, PI \$105,000.

Seminar on Key Technologies for the Hydrogen Energy System, 4/1/75 - 9/30/75, NSF, PI \$11,400.

Survey of Hydrogen Production & Utilization Methods, NASA, PI \$179,628.

Development of Boilers & Condensers for Solar Sea Power Plants, 1/1/75 - 1/1/76, NSF, PI \$170,877.

Key Technologies for the Hydrogen Energy System (Scientific Seminar), U. S. Japan Cooperative Science Program, 1/1/73 - 1/1/74, NSF, PI \$511,414.

Solar Cooling and Heating of School Buildings, 6/1/75 - 6/30/77, ERDA/DJOE, PI \$224,652.

IPA Agreement (Chen), 4/1/76 - 9/30/76, ERDA/DOE, PI \$27,363.

IPA Agreement (Harrenstein), 12/1/76 - 11/30/77, ERDA/DOE, PI \$78,708.

IPA Agreement (Chen), 9/1/75 - 3/1/76, ERDA/DOE, PI \$28,125, 3/1/76 - 3/31/76 ERDA/DOE PI \$4,452.

Workshop on Two-Phase Flow & Heat Transfer Research & Applications, 10/17/76 - 12/31/76, NSF, PI \$9,000.

1st World Hydrogen Energy Conference, 11/1/75 - 10/31/76, ERDA/DOE, PI \$24,141.

Two-Phase Flow Transient Instabilities, 4/15/76 - 4/15/78, NSF, PI \$109,900.

Investigation of Using Data from Heat Capacity Mission to Map Thermal Effluents in Lakes and Bays, 9/1/76 - 12/31/77, NASA, PI \$69,434.

Energy-Related Graduate Traineeships for 1976-77, 9/1/76-5/31/79, NSF, PI.

Progress in Hydrogen Energy - U.S.-Australia, NSF, PI.

Final Research Proposal: Systems Dynamics Study of a Universal Hydrogen Energy System, 8/15/76 - 8/15/78, ERDA/DOE, PI \$260,120.

OTEC Conference, 7/1/77 - 1/31/79, ERDA/DOE, PI \$24,543.

Two-Phase Flow Transient Instabilities, 4/1/77 - 4/30/79, NSF, PI \$109,900.

Workshop on Solar Energy (Egypt), 7/1/77 - 6/30/79, NSF, PI \$25,520.

Alternative Energy Sources Conference, 5/1/77 - 10/31/78, ERDA/DOE, PI \$36,556.

Status of Hydrogen Compressor Technology, 9/15/77 - 1/31/79, ERDA/DOE, PI \$30,000. IPA Agreement (Harrenstein), 12/1/76 - 11/30/77, ERDA/DOE, PI.

Solar Direct Energy Conversion at Sea, 1/1/78 - 6/30/79, ERDA/DOE, PI, \$178,954.

Thermal Contact Conductance of Multi-Layered Electrically Insulated Sheets, 4/1/78 - 9/30/79, NSF, PI \$89,953.

Magnetic Fusion Power Utilization through a Hydrogen Energy System, 1/1/78 - 12/31/79, ERDA/DOE, PI \$314,041.

U.S.-Japan Cooperative Science Program, 1/1/78 - 12/31/79, NSF, PI \$43,004.

Survey of University Research Potentials re ERDA's Mission, 1/1/77 - 6/30/78, ERDA/DOE, PI \$198,350.

Multi-Phase Flow & Heat Transfer Research & Applications Workshop, 1/1/79 - 12/31/79, ONR, PI \$9,968.

Multi-Phase Flow and Heat Transfer Research & Applications Workshop, 2/25/79 - 4/30/80, NSF, PI \$14,985.

Report on Commercialization of Solar and Conservation Technologies Symposium-Workshop, DOE, PI \$15,000.

Two-Phase Flow Instabilities and the Effect of Inlet Subcooling, NSF, PI \$8,539.

CAPPI Support of FACE 1979 Program, NOAA NA 80-RA COOO107, 4/1/79 - 9/30/79, \$41,991.

Characterization and Environmental Studies of ERDA's Anaerobic Digestion Facility at Pompano Beach, DOE, 8/1/78 - 7/31/79, \$322,977.

Cairo Workshop on Solar Energy, NSF INT77-14182, 7/1/77 - 12/31/79, \$63,820.

A Special Training Course on Tropical Cyclone Hydrology and Flood Forecasting, EMV 020, 1/1/80 - 5/31/80, \$22,000.

Utilization of Digitized Radar Rainfall Data to Calibrate Satellite Rainfall Measurements, ONR NOOO14-75CO172, 11/1/79 - 10/31/82, \$105,000.

Two-Phase Flow Instabilities and the Effect of Inlet Subcooling, NSF, PI \$12,097.

Two-Phase Flow Instabilities, NSF C254-79, Rev. 1, \$129,000.

Global Report on the State-of-the-Art of Passive and Hybrid Cooling, SSEC, \$64,087.

Development of Alternative Energy Science and Engineering in the Caribbean, 3/1/82 - 8/31/82, UNICA, \$12,150.

4th Miami International Conference on Alternative Energy Sources, DARPA, 10/1/81 - 9/30/82, PI \$14,908.

Multi-Phase Flow & Heat Transfer Symposium-Workshop, NSF, 6/1/82 - 12/31/83, PI \$18,964.

Tropical Meteorolocy & Hurricane Forecasting, DOE, 1/1/82 - 6/30/82, \$30,000.

Radar/Satellite Rainfall Measurement, Navy-ONR, 11/1/81 - 1/31/83, \$40,000.

U.S.-Pakistan Symposium-Workshop on Renewable Energy Sources, NSF, 8/15/82 - 1/31/84, PI \$90,260.

Boiling Flow Instabilities in Parallel Channels with Enhanced Heat Transfer, NSF 7/1/83 - 12/31/86, \$258,751.

Miami Beach Convention Center Solar Cooling System Proposal Development, Miami Beach City Council, 8/1/83 - 9/30/85, \$17,290.

Symposium-Workshop on Remote Sensing Fundamentals and Applications, NSF, 8/1/84 - 7/31/86, \$15,556.

International Symposium-Workshop on Particulate and Multi-Phase Processes, NSF, 11/1/84-2/28/86, \$19,319.

U.S.-Spain Workshop on Renewable Energy Sources, NSF, 9/27/85 - 8/31/86, \$13,260.

Access to Class VI Computer Systems, NSF, 7/1/85 - 12/31/86, \$19,400.

U.S.-Jamaica Research Oriented Workshop on Materials Science and Energy, NSF, 3/16/87 - 3/15/88, \$10,000.

Two-Phase Flow Instabilities, NSF, 1/1/87 - 6/30/90, \$157,325.

Fluid Dynamical Models for Determining Wind Characteristics & Their Application in Pakistan, NSF, 7/1/87 - 8/31/90, \$63,000.

Solar-Hydrogen Energy System, Department of Energy, 9/1/88 - 11/30/97, \$2,087,000.

Internship Program on Renewable Energy Sources, Institute of International Education, 3/1/91 - 2/29/92, \$9,500

Internship Program on Thermal Power, United Nations, 3/1/91 - 2/29/92, \$7,756.

U.S.-Australia Joint Seminar on Enhanced Thermal Conductance, NSF, 11/1/91 - 10/31/92, \$29,470.

U.S.-Pakistan Joint Research on Advanced Renovation of Small Industry Wastes, NSF, 2/15/92 - 1/31/93, \$10,000.

U.S.-China Research on Two-Phase Flow, NSF, 6/1/92 - 5/31/94, \$9,600.

U. S. -Pakistan Workshop on Silicon Technology, NSF, 3/1/92 - 2/28/94, \$20,000.

Oil Spill Mechanical Recovery Systems Investigation, University of Miami, 1993, \$70,000.

U.S.-India Symposium-Workshop on Remote Sensing Fundamentals and Applications, NSF, 6/1/94 - 5/31/96, \$22,191.

U.S.-Pakistan Cooperative Research on Photovoltaic Hydrogen Production, NSF, 5/31/94 - 6/30/97, \$55,253.

U.S.-India Cooperative Research on Optimum Industrial Complexing, NSF, 9/1/94 - 8/31/97, \$102,415

Encyclopedia of Life Support Systems Bahamas Workshop, Encyclopedia of Life Support Systems, 10/25/95 - 12/31/97, \$61,665.

U.S.-Pakistan Symposium-Workshop on Silicon Technology, NSF, 9/1/97 - 8/31/98, \$17,105.

U.S.-Pakistan Cooperative Research on Sustainable Homestead, NSF, 3/1/99-2/28/02, \$30,900.

U.S.-Egypt Cooperative Research on Assessment and Optimization of Annual Performance of Solar PV H2 Energy Systems, NSF, 9/15/00-8/31/02, \$23,000.

U.S.-Egypt Project on Briquetting, Dept. of Agriculture, \$20,000, 2 years, Dr. Haggar (Egypt).

U.S. Russia Project on H₂ Detection, U.S. Civilian Research and Development Foundation, 2 years, \$30,000, Dr. Gusev (Russia). U.S.-Russia Fulbright Project on Hydrogen Storage, \$15,000 (8 mos); Dr. Yury Nechaev.

U.S.-Russia Pulotight Project on Trydrogen Storage, \$15,000 (8 mos), Dr. Puly Nechaev.

U.S.-Turkey Bi-National Project on Hydrogen Fuel Cells, \$35,523 (3 yrs.), Dr. Yuksel Kaplan.

THESIS AND DISSERTATION ADVISING

M. S. Chairman	W. Callahan Two-Phase Flow Instabilities	1965
M. S. Chairman	T. Wang Boiling Flow Oscillations in Freon 11	1966
M. S. Chairman	D. A. Meyer Instabilities in Boiling Water Flow	1967
M. S. Chairman	F. Hettinger The Application of Cryogenics to a Self-Contained Underwater Breathing System	1967
M. S. Member	C. Cheng Hypersonic Flow Past a Wedge in Magnetohydrodynamics	1968

M. S. Chairman	J. M. Martinez Instabilities in Upward Boiling Flow	1968
M. S. Member	R. Church Consideration of Boundary Layer Effects in Coanda Flow About a Circular Cylinder	1968
M. S. Member	J. Jenkins An Investigation of the Resources in a Concentric Cylindrical Laser Cavity	1968
M. S. Chairman	W. Wang Boiling Water Instabilities in a Two Parallel Channel Upflow System	1969
M. S. Chairman	N. Bhandari Statistical Study of Thermal Contact Conductance	1969
M. S. Member	E. Oner Electrochemical and Thermoelectric Response of Ag/Ag1/Ag Arroyo	1969
M. S. Chairman	T. R. Sehgal Boiling Water Flow Instabilities in a Cross-Connected Parallel Channel System	1969
Ph. D. Member	R. Wagstaft Higher Order Effects in Laminar Boundary Layer Theory for Curved Surfaces	1970
M. S. Chairman	M. Malhotra Effect of Cross-Flow Mixing on Boiling Flow Instabilities in Parallel Channels	1970
M. S. Member	R. M. Hall, Jr. Thermal Conductance and Conduc- tivity of Closed Cell Neoprene Foam Under Hydrostatic Pressure	1970
M. S. Member	G. J. Daily Heat Transfer from a Translating Kerosene Droplet in Water	1970

M. S. Chairman	R. J. Aldaire Thermal Contact Conductance of Spherical Contacts	1971
M. S. Member	S. Chern A Numerical Evaluation of the Effect of Axial Conduction Upon Heat Transfer at Low Peclet Number with Variable Heat Flux	1971
M. S. Chairman	J. F. Morlock Water Intrusion of Closed Cell Neo- prene Foam Under Hydrostatic Pressure	1971
M. S. Chairman	R. M. Jones Heat Transfer from Heat Sources Buried in Ocean Bed	1971
M. S. Member	L. N. Phu The Effect of Suction Slot on the Separation Point of Laminar Flow Over Curved Surfaces	1971
Ph. D. Member	B. W. Morrow Application of the Spectrum Inver- sion Technique to the Vibration Analysis of a Build-Up Plate	1971
M. S. Chairman	E. Y. Denker Boiling Flow Instabilities in Four Parallel Channels	1971
M. S. Chairman	H. Yüncü Effect of Interstitial Plates and Contact Pressure on Thermal Contact Conductance	1971
M. S. Chairman	A. Tepebag The Effect of Contact Pressure and Contact Surface Orientation on the Thermal Contact Conductance of Similar Metals	1971
M. S. Chairman	B. V. Lyon Transient Instabilities in Cross Connected Two Parallel Channel Boiling Flow	1972

M. S. Member	T. A. Thomas, Jr. Methods of Internal Imaging	1973
M. S. Chairman	Y. Alp Transient Boiling Flow Instabilities in Four Parallel Channels	1973
M. S. Chairman	H. B. Aksu Boiling Flow Instabilities in a Four Parallel Channel Upflow System	1973
M. S. Chairman	G. Goldmark Thermal Conductance of Bolted Lap Joints	1973
M. S. Chairman	D. B. Denham The Effect of Deflection Blade Spacing on Heat Transfer from Open Channels	1973
M. S. Member	M. R. Swain Hydrogen-Air Internal Combustion Engine	1973
Ph. D. Chairman	H. Yüncü Thermal Conductance of Laminated Contacts	1974
M. S. Chairman	N. Thinh Heat Transfer to Upward Boiling Flow	1974
M. S. Chairman	K. Civci Effect of Electroplating on Thermal Contact Conductance	1974
M. S. Chairman	O. T. Baser A World Model for Transition to a Hydrogen Fuel System	1974
D. A. Chairman	J. P. Alexander Air Pollution Control Technologist Training Program	1974
D. A. Chairman	R. J. Leonard Planning and Financing Physical Environment to Meet Changing Needs of Higher Education	1975

M. S. Chairman	S. A. Memon Investigation of Hydrogen Production by Thermochemical Processes	1975
M. S. Chairman	D. C. Rona Remote Sensing of Turbidity in Near Shore Environment	1976
Ph. D. Chairman	N. Forouzanmehr Three World Regions and a Universal Hydrogen Energy System	1977
Ph. D. Chairman	P. Nayak Thermal Contact Conductance	1977
Ph. D. Chairman	T. Dogan Lumped Parameter Analysis of Two- Phase Flow Stabilities	1979
Ph. D. Chairman	N. Ozboya Solution of Three Dimensional Discontinuous Flow Past an Obstacle by Method of Singularities	1979
Ph. D. Chairman	K. Akyuzlu Numerical Simulation of Density-Wave and Pressure-Drop Type Oscillations in Two-Phase Flow Upflow Systems	1979
Ph. D. Chairman	I. Lead Hydrogen Energy System for Brazil	1979
D. A. Chairman	S. Ridenaur Passive Methods of Energy Conservation (Project)	1979
Ph. D. Member	C. Lee	1979
Ph. D. Member	T. Anzal	1980
Ph. D. Chairman	A. R. Hussain	1982
Ph. D. Chairman	H. Gurgenci Two-Phase Flow Instabilities	1982

	Energy Studies	1983
M. S. Member	A. Alloush	
	(Comprehensive)	1983
M. S. Member	N. Camejo	
	Coastal Zone Management	1983
M. S. Member	R. Lira	
	Marine Biofouling Control by	
	Means of Targeted Chlorination	1983
D. A. Member	S. Yetimoglu	
	Fiber Reinforced Concrete	1984
M. S. Member		1985
WI. S. IMEIIIDEI	O. E. Atesoglu	1965
Ph. D. Chairman	A. Mentes	
	Two-Phase Flow Instabilities	1985
Ph. D. Chairman	I. Gurkan	
	Greenhouse Effect	1985
M. S. Chairman	F. Maia	
M. D. Chuithan	A Radiation Trap for a Novel	
	Design for Flat Plate Collectors	1985
M. S. Chairman	Amado Erol	
M. D. Chainnan	Hydrogen Energy	1985
Ph. D. Member	O. T. Yildirim Numerical & Experimental Study	
	Numerical & Experimental Study of Two-Phase Flow Instabilities	
	in Parallel Channels	1986
		-,
Ph. D. Chairman	W. El-Osta	
	Solar-Hydrogen Energy System for	1096
	a Libyan Coastal Country	1986
Ph. D. Chairman	G. Eljrushi	
	Solar Hydrogen Energy System	100 5
	Model for Libya	1986
M. S. Chairman	M. Blanco	
	Photovoltaic Hydrogen Systems for	
	Electricity Generation, Storage &	1000
	Distribution	1986

Ph. D. Chairman	M. Keita Supervise Doctoral Dissertation in Physics	1986
M. S. Chairman	S. Muradoglu Non-Thesis Option	1987
D. A. Chairman	I. Wagner Hydrogen Energy	1987
M. S. Member	Z. Y. Kakaç M. S. M. E. Heat Transfer	1987
M. S. Member	S. Al-Ajlan Future Saudi Arabian City Planning Based on the Use of Solar-Hydrogen Energy	1988
Ph. D. Member	W. Li Transient Turbulent Forced Convection	1988
M. S. Chairman	N. Lutfi Study on Solar-Hydrogen Production Methods and Their Comparison	1988
Ph. D. Member	M. Swain Computer Modeling of Various Fuel Preparation Methods in a Methanol Fueled Engine	1988
M. S. Chairman	A. T. Tekindur Capstone Project: Cross Flow Pressure Drive Membrane Separation Operations on Industrial Waste Waters	1988
Ph. D. Chairman	M. Padki Two-Phase Flow Thermal Instabilities	1989
D. A. Chairman	M. J. Torres Cost Comparison of Fossil Fuels with that of Clean Hydrogen Energy	1989
Ph. D. Chairman	N. Lutfi Solar-Hydrogen Energy System for Pakistan	1990

M. S. Chairman	S. M. Rainey Computer Modeling and Comparison of Hydrogen-Fueled and Methane- Fueled Hypersonic Vehicles	1990
M. S. Member	T. Ozgokmen Fluid Dynamical Models of Wind Field Over Non-Uniform Terrain	1990
M. S. Member	M. Syed A Thermodynamic & Economic Analysis of a Hydrogen Liquefaction System	1990
M. S. Member	A. S. Vaishnav Thermal Fluid	1990
M. S. Member	T. M. Srinivasan Thermal Fluids	1990
Ph. D. Member	Z. Dulger Numerical Simulation of Heat Release and Flame Propagation for Methane Fueled I. C. Engines with Hydrogen Addition	1990
M. S. Member	M. J. Yusuf In-Cylinder Flame-Front-Growth Measurement of Methane and Hydrogen-Enriched Methane Fuel in a Spark-Ignited Internal Combustion Engine	1990
Ph. D. Member	L. I. Kazi Infrared & Visible Studies of Pakistan Portion of Arabian Sea Using INSAT Geostationary Satellite	1991
Ph. D. Chairman	F. Barbir Modeling of the Hydrogen Energy System	1991
M. S. Member	S. Gursu Analysis of Cryogenic Hydrogen Storage Systems	1991
M. S. Member	M. Lordgooie Computation of Fluid Dynamics	1991

Ph. D. Member	J. Huang Quantitative Analysis of 3-D Steady Flow Field by Using Particle Image Velocimetry and Digital Image Processing Method		1991
M. S. Chairman	F. Oney The Comparison of Pipelines Transportation of Hydrogen and Natural Gas		1991
M. S. Member	M. Akcin Manual Material Handling		1991
Ph. D. Member	A. Ur-Rahman Malik Surface Radar Studies of Rain Estimation in Correlation with Infrared and Visible Techniques of INSAT and GOES-E Geo- stationary Satellites		1992
Ph. D. Chairman	K. R. Agha Solar Power Generation & Storage		1993
M. S. Member	F. Calisir		1993
Ph. D. Co-Chairman	L. Zhang Analytical Investigation of Magnetic Refrigeration Systems for Hydrogen Liquefaction	:	1993
M. S. Member	K. Yao Boiler Combustion Analysis and Environmental Impact Using Exergy Method		1993
Ph. D. Member	M. J. Yusuf Lean Burn Natural Gas Fueled Engines: Engine Modification vs. Hydrogen Blending		1993
M. S. Co-Chairman	A. Mandi A Study of Hydrogen-Hydride Heating/Cooling System to Replace Chlorofluorocarbon (CSF) System and Their Comparison	1993	

Ph. D. Co-Chairman	A. S. Vaishnav Dispersion of Hydrogen in Air in Vented 3-D Enclosures	1993
M. S. Member	N. J. Paradiso, Jr.	1993
Ph. D. Member	D. Ghosh	1993
Ph. D. Member	H. Liu Pressure Drop Type and Thermal Oscillations in Convective Boiling Systems	1993
M. S. Chairman	K. Kocer Liquid Hydrogen Powered Commercial Aircraft	1994
Dipl. Engr. Project	K. Hollenbach	1994
Ph. D. Member	S. Ratana-Aporn	1994
M. S. Member	M. A. Waheed Techniques in Satellite Measurements of Rainfall and Soil Moisture	1995
Ph. D. Member	D. M. Brown Theoretical and Experimental Analysis of Unsteady Forced Convection in Circular Ducts	1995
Ph. D. Member	H. Kabadayi	1995
M. S. Member	M. Arik An Investigation into Single Phase Forced Convection Turbulent Flow Inside Rectangular Channels	1995
M. S. Chairman	S. V. Krishnan	1996
M. S. Member	Subrahmanyam Saripalli	1996
Ph. D. Member	Ayoub M. A. Kazim	1996
Ph. D. Chairman	Jeffry Padin	1997
Ph. D. Member	Kamaruzzaman Bin Sopian	1997
Ph. D. Member	Vladimir Guam	1997

Ph.D. Member	Guangbin He	1999
Ph.D. Member	Liping Cao	1999
M.S. Member	Ekathai Wirojsakunchai	2000
Ph.D. Member	Lixin You	2001
M.S. Member	Patrick Filoso	2003
M.S. Member	Lin Wang	2003
M.S. Member	Chakradhar Lingamgunta	2003
Ph.D. Chairman	Kor Özay	2004
M.S. Member	Cristhian Quintanilla-Aurich	2004
Ph.D. Member	Anchasa Pramuanjaroankij	2007

LIAISON WITH HIGH SCHOOL PROGRAM

John Parsons	1980-1981
David F. Mackay	1981-1982
Joseph Eskanzi	1982-1983

EXTERNAL EXAMINER

Ph. D. A. Jagadeesh India 1985	r
Ph. D.S. El-ToukhyEgypt 1980Ph. D.T. KiatsiriroatThailand 1Ph. D.F. TranCanada 1990	986
Ph. D.L. M. AcharyaIndia 1987Ph. D.M. Answar KhanPakistan 19	
Ph. D.P. KhummongkolThailand 1Ph. D.S. K. MishraIndia 1990Ph. D.Z. L. Shuman (2010)Philosophic (2010)	
Ph. D.Z. I. ShamsPakistan 19Ph. D.K. R. MarpuIndia 1990Ph. D.H. J. SinghIndia 1991Ph. D.Mrs. FarzanaIndia 1991	

Ph. D.	J. A. Nijangaya	India 1991
Ph. D.	K. Chand	India 1992
Ph. D.	V. K. Agarwal	India 1993
Ph. D.	M. N. Mungole	India 1994
Ph. D.	A. M. Ray	India 1995
Ph. D.	B. K. Choudhury	India 1995
Ph. D.	A. K. Singh	India 1997
Ph.D.	Shayam Lal Soni	India 1997
Ph.D.	Richa Sharma	India 2000
Ph.D.	S. Sesha Sai Raman	India 2000
Ph.D.	Mohammed AbuShaz	India 2001
Ph.D.	Suzan Abo-Elela Hassan	Egypt 2003
Ph.D.	Swapan Bhaumik	India 2003
Ph.D.	Panch Ratan Mishra	India 2007

COLLABORATION WITH VISITING SCIENTISTS

Zonghu Lin - P. R. China Aghareed Tayeb - Egypt - Academic Advisor A. A. El-Bassuoni - Egypt - Research Project Arthur Williams - Australia - Research Project Sadik Kakaç - Turkey - Research Project Danzhi Chen - P. R. China Jin-hua Jin - P. R. China Visiting Researcher - A. H. Awad - Nigeria Visiting Researcher - Omer B. Tek - P. R. China Visiting Professor - Shun-Lun Shieh - P. R. China Visiting Researcher - Yurdogul Kakaç - Turkey Visiting Researcher - Lin Chen - P. R. China Visiting Researcher - Ahmed Nkodia - Congo Visiting Researcher -Tzonu Petkov - Bulgaria Visiting Researcher - Josef Zubr - Denmark Visiting Researcher - Zhou Fang - P. R. China Visiting Researcher - Cem Sorusbay - Turkey Visiting Researcher - Tingquan Chen - P. R. China Visiting Researcher - K. Svanholm - Norway Visiting Researcher - Chun-Lun Shieh - P. R. China Visiting Researcher - Lonquan Lin - P. R. China Visiting Researcher - Kemal Altinisik - Turkey Visiting Researcher - Sergio S. Stecco - Italy Visiting Researcher - Huanyi Zhang - P. R. China Visiting Researcher - Albina de Souza - Brazil Visiting Researcher - Renato M. Cotta - Brazil Visiting Researcher - A. Jagadeesh - India Visiting Researcher - Andre Chuveliov - Russia

Visiting Researcher - Atiq Mufti - Pakistan
Visiting Researcher - M. A. A. Beg - Pakistan
Visiting Researcher - A. Q. Malik - Pakistan
Visiting Researcher - S. N. Mehmood - Pakistan
Visiting Researcher - Xuejun Chen - P. R. China
Visiting Researcher - B. Yuksel - Turkey
Visiting Researcher - Orhan Ozbay - Turkey
Visiting Researcher - Ravshan S. Mukhamedov - Russia
Visiting Researcher - Lutero Carma de Lima - Brazil
Visiting Researcher - Sher Mohammed Khan - Pakistan
Visiting Researcher - Xiorang Wei - P. R. China
Visiting Researcher - Klaus Hollenbach - Germany
Visiting Researcher - Hua-tang Yuan - P. R. China
Visiting Researcher - Kadri Suleyman Yigit - Turkey
Visiting Researcher - Abdul Halim Shamsuddin - Malaysia
Visiting Researcher - Tapan Chakrabarti - India
Visiting Researcher - Alfonso Contreras – Spain
Visiting Researcher – Paulo Ericson - Brazil
Visiting Researcher - Carl-Jochen Winter - Germany
Visiting Researcher - Byeong Soo Oh – Korea
Visiting Researcher - Ishak Kotcioglu - Turkey
Visiting Researcher - Yuksel Kaplan – Turkey
Visiting Researcher - Ayda Athanazio - Brazil
Visiting Researcher – Dr. Selahattin Akansu (Turkey)
Visiting Researcher – Robert Amicone (Italy)
Visiting Researcher – Simone Curti (Italy)
Visiting Researcher – Enis Fakioglu (Turkey)
Visiting Researcher – Dr. Yury Nechaev (Russia)
Visiting Researcher – Dr. Evgeny Moiseev (Russia)
Visiting Researcher - Dr. Oleg Myasoedov (Russia)
Visiting Researcher – Dr. Debabrata Das (India)
Visiting Researcher – Dr. Yuda Yurum (Turkey)

UNIVERSITY COMMITTEE AND ADMINISTRATIVE RESPONSIBILITIES

School Council - School of Engineering & Environmental Design, Univ. of Miami, 1966-1969.
Academic Planning Committee, University of Miami, 1967-1970.
Member, Research Faculty, 1969-Present.
Graduate Council, University of Miami, 1970-1973.
Search Committee for Dean of Engineering, Chairman, 1971-1972.
Senate Committee on Interdisciplinary Activities, Chairman, 1972-1973.
Research Council, 1973-Present.
Self-Study Committee, 1974-1975.
Sponsored Programs Coordinating Committee, 1975.
Chairman, Task Force on Energy, 1975.
Member, Patent and Copyright Committee, 1979-Present.
Member, Energy Conservation Committee, 1978.

Member, Excess Equipment Committee, 1979-Present. Member, Committee on International Technology Transfer & Education, 1979-Present. Member, Fluid Mechanics Committee, 1979-1980. Member, Design Curriculum Committee, 1979-1980. Member, Graduate Council, 1979-1982. Member, Space Committee, 1979-1980. Member, Committee for Graduate Courses on Energy, 1979-Present. Faculty Advisor, Association for Turkish Students, 1980-Present. Council for University of Miami, ORAU (Oak Ridge Associated Universities), and member of ORAU Administration & Policy Committee, 1982-Present. Member, Manpower Education Research & Training Committee, ORAU, 1986-Present. Energy-Environment Systems Steering Committee, ORAU, 1989-Present. Chairman, Search Committee, Faculty Position in Fluids-Heat Transfer, 1982. Coordinator for International Affairs, 1983-Present. Judge of ASEE Research Paper Competition, 1983. Chairman, Search Committee, Chairman Position, Industrial Engineering Department, 1984. Co-Chairman, Patent & Copyright Committee, 1985. Member, Self-Study Committee Graduate Programs and Research, 1985-1986. Member, 60th Anniversary Celebrations Committee, 1986. Chairman, Search Committee, Chairman of Biomedical Engineering. Chairman, Search Committee, Chairman of Electrical Engineering. Member, College of Engineering Research Council, Advisory Capacity to Dean Member, Solar/HVAC Laboratory Committee. Member, Search Committee, Staff, Mechanical Engineering. President, Silver Club. Chairman, Search Committee, Faculty Position in Controls/Dynamics and Dynamical Systems, 1995.

Search Committee, Faculty Position in Materials Science, 1996.

COMMUNITY ACTIVITIES

Dade County Public School Systems University Science Program, Supervisor 1965 - Present. Dade County Science Fair Engineering Exhibits Judging Committee, Member, 1966-1967. Learning Disabilities Foundation, Board Member, 1970-Present.

Learning Disabilities Foundation, Vice-President, 1971-1972.

Learning Disabilities Foundation, President, 1972-1973.

OTHER PROFESSIONAL INFORMATION OR ACTIVITIES

Organization Committee, American Nuclear Society, Winter Annual Meeting, 1971.

Organization Committee, American Society of Mechanical Engineers, Regional Student Administrative Conference, 1972.

Co-Chairman, The Hydrogen Economy Miami Energy (THEME) Conference, Washington, DC, 22-26 September 1974.

Organization Committee, Ocean Thermal Energy Conversion Workshop, Washington, DC, 26-28 September 1974.

Organizations Committee, Florida/Sunshine State Research Visit of the National Science Foundation Solar Energy/Transportable Research Laboratory, 4 November - 7 December 1974.

Co-Chairman, Remote Sensing Applied to Energy-Related Problems Symposium-Course, Miami, FL, December 1974.

Organization Committee, Co-Chairman, Hydrogen Energy Fundamentals, Symposium Course, Miami Beach, FL, 3-5 March 1975.

Organization Committee, The Time of Exhaustion of the Fossil Fuels, with Dr. J. O'M. Bockris, University of Miami, Coral Gables, FL, 28 March 1975.

Organization Committee, U. S. Naval Reserve Special Officers Seminar on the Energy Crisis, 9-11 June 1975.

Co-Chairman, Introduction to Hydrogen Energy Symposium, Maracay, Venezuela, 6-11 October 1975.

Organization Committee, Energy Conservation Forum, Ft. Lauderdale, FL, 1-3 December 1975.

Chairman, First World Hydrogen Energy Conference, Miami Beach, FL, 1-3 March 1976.

Organization Committee, Advanced Study Institute on Two-Phase Flows and Heat Transfer, Istanbul, Turkey, 16-27 August 1976.

Chairman, Two-Phase Flows and Heat Transfer Symposium, Ft. Lauderdale, FL, 18-20 October 1976.

Chairman, Solar Cooling and Heating Symposium, Ft. Lauderdale, FL, 6-8 December 1976.

Organization Committee, Hydrogen Energy on Applications: A Symposium-Course, Puerto Ordaz, Venezuela, 7-11 March 1977.

Organizing Committee, Izmir International Symposium I on Solar Energy Fundamentals and Applications, Izmir, Turkey, 1-5 August 1977.

Co-Chairman, Panel on Nuclear and Unconventional Energy Sources, Tenth World Energy Conference, Istanbul, Turkey, 19-23 September 1977.

Keynote Speaker: Opening of the Hydrogen Homestead, Provo, UT, 10 November 1977.

Invited Lecture, "Ocean Energy Systems," Symposium on Energy and the Oceans, in Cooperation with the Bureau of National Affairs, Inc., Key Biscayne, Miami, FL, 31 October - 1 November 1977.

Chairman, Alternative Energy Sources: A National Symposium, Miami Beach, FL, 5-7 December 1977.

Chairman, Fifth Ocean Thermal Energy Conversion (OTEC) Conference, Miami Beach, FL 20-22 February 1978.

Chairman, First South Florida Symposium on Solar Energy, Miami and Coral Gables, FL, 28 February 1978, and 2 March 1978, respectively.

Co-Chairman, Solar Energy Fundamentals and Applications Symposium-Course, Maracaibo, Venezuela, 7-11 March 1978.

Invited Lecture, "An Energy Intermediate: The Hydrogen Energy System Concept," Symposium on Energy and Development in the Americas, Sociedad Brasiliera para Progreso da Ciencia (SEPC) and the Interciencia Association, Guaruja, S. P. Brazil, 12-17 March 1978.

Keynote Address: "Why Solar Energy?," Symposium-Course on Solar Energy Fundamentals and Applications, Maracaibo, Venezuela, 8-11 March 1978.

Co-Chairman, Symposium-Course on Solar Energy Fundamentals and Applications, Maracaibo, Venezuela, 8-11 March 1978.

Invited Lecture, "Hydrogen Energy System Concept," 14th Annual Southeastern Seminar on Thermal Science, North Carolina State University, Raleigh, NC, 8-11 April 1978.

Invited Lecture, "Hydrogen Energy System Concept and Hydrogen Production Methods," Engineering Seminar at St. Mary's University, San Antonio, TX, 8 April 1978.

Invited Lecture, "Hydrogen Energy System: A Viable Alternative to the Present Fossil Fuel Systems," Joint National Meeting of the Institute of Management Sciences and Operations Research Society of America, New York, NY, 1-3 May 1978.

Invited Lecture, "Ocean Energy System," U. S. Naval Reserve, Special Officers Seminar on Energy Overview, U. S. Reserve Training Center, Coconut Grove, FL, 6 June 1978.

International Taping "Hydrogen Energy System," two talks in English and Turkish, taped for International Technitape Network, Pittsburgh, PA, 7 June 1978.

Organizing Committee, International Symposium-Workshop on Solar Energy, Cairo, Egypt, 16-22 June 1978.

Keynote Address, "Solar Energy in Developing Countries," International Symposium-Workshop on Solar Energy, sponsored by the National Science Foundation, held at the Arab League Building, Cairo, Egypt, 16-22 June 1978.

Invited Lectures, "Hydrogen Energy System Concept," "Solar Hydrogen Energy System and Hydrogen Production Methods," and "Complementary Energy Carriers: Hydrogen and Electricity," Turkiye Elektrik Kurumu, Ankara, Turkey, 26-28 June 1978.

Organizing Committee, Second World Hydrogen Energy Conference, Zurich, Switzerland, 21-24 August 1978.

Keynote Address, "Hydrogen Energy, the Next Step," Second World Hydrogen Conference, by International Association for Hydrogen Energy, held at the Swiss Federal Institute for Reactor Research, Wurenlingen, Switzerland, 21-24 August 1978.

Invited Lecture, "Hydrogen Energy System," University of Delaware, Newark, DE, 27 October 1978.

Invited Lecture, "Hydrogen Energy System," Ridge Chapter, Florida Engineering Society, Lakeland, FL, 9 November 1978.

Chairman, Solar Energy and Conservation Symposium-Workshop, Miami Beach, FL, 11-23 December 1978. Invited Lecture, "Solar Hydrogen Production and Applications of Hydrogen Energy in Buildings," Workshop on Architectural Applications of Solar Engineering, Pidgeon Key, FL, 15 December 1978.

Invited Lecture, "Unusual Applications of Hydrogen," and "Steps to Implement the Hydrogen Energy System," Annual Meeting of the HESS Society of Japan, Tokyo, Japan, 8-12 January 1979.

Keynote Address, "Hydrogen Energy System Concept and Engineering Applications," International Conference on Future Energy Concepts, by the Institution of Electrical Engineers, London, England, 31 January 1979.

Chairman, 2nd Multi-Phase Flow and Heat Transfer Symposium-Workshop, Miami Beach, FL, 16-18 April 1979.

Invited Lecture, "An Experimental Investigation of Thermal Contact Conductance of Multilayered Electrically Insulated Sheets," AIAA 14th Thermophysics Conference, Sheraton Twin Towers, Orlando, FL, 4-6 June 1979.

Member, Steering Committee - 7th OTEC, Ocean Thermal Energy for the 80's, Washington, DC, 19-22 June 1979.

Organizing Committee, Izmir International Symposium II on Solar Energy Fundamentals and Applications, Izmir, Turkey, 6-8 August 1979.

Keynote Speaker, "Why Solar Energy?," Izmir International Symposium II on Solar Energy Fundamentals and Applications, Izmir, Turkey, 6-8 August 1979.

Member, Organizing Committee, First International Symposium on Non-Conventional Energy, by the International Centre for Theoretical Physics, Trieste, and the International College on Applied Physics, Catania, Trieste, Italy, 27 August - 21 September 1979.

Interview, "The Energy Crisis: How Well is Our Government Coping?," Veritas, University of Miami, Coral Gables, FL, 27 August 1979 issue.

Keynote Address, "The Next Step in Aviation," International Symposium on Hydrogen and Air Transportation, Stuttgart, Federal Republic of Germany, 10-12 September 1979.

Invited Lecture, "A Hydrogen Energy System," Department of Physics Colloquium, University of Miami, Coral Gables, FL, 11 October 1979.

Invited Lecture, "Hydrogen Energy System," Brazilia, Belo Horizonte, Rio de Janeiro and Porte Allegre, at the invitation of U. S. International Communications Agency, 22-30 October 1979.

Invited Lecture, "Hydrogen Energy System and its Benefits to Horticulture," 92nd Annual Meeting of the Florida State Horticulture Society, Lake Buena Vista, Orlando, FL, 6-9 November 1979.

Chairman, 2nd Miami International Conference on Alternative Energy Sources, Miami Beach, FL, 10-12 December 1979.

Invited Lecture, "Hydrogen Energy System," Alternative Energy Sources for Florida Forum, Miami-Dade Community College, Miami, FL, 1 March 1980.

Organizing Committee, Solar Cooling and Dehumidifying Conference, Caracas, Venezuela, 11-12 March 1980.

Informal Lecture, "Ongoing Research," Physics Department, University of Miami, Computer Center, Coral Gables, FL, 13 March 1980.

Consultant, Florida Solar Energy Center Advisory Committee, Cape Canaveral, FL, 25 March 1980.

Invited Lecture, "Hydrogen Energy System: Energy Infrastructure of the Future," Second Annual Energy Seminar, Gannon University, Erie, PA, 31 March 1980.

Invited Lecture, "Activities of the Clean Energy Research Institute," University of Miami Women's Guild, Coral Gables, FL, 7 April 1980.

Invited Lecture, "Hydrogen Energy System and Unusual Applications of Hydrogen," Seminar at the Politecnico di Torino, Italy, 17 April 1980.

Invited Lecture, "Ocean Thermal Energy: Status and Prospects," International Conference on Solar and Ocean Energy, Milan, Italy, 18-20 April 1980.

Consultant, Media Resource Service on Scientist's Institute for Public Information, May 1980.

Testimony before the Sub-Committee on Energy Development and Applications of the Committee on Science and Technology (U.S. House of Representatives), Gainesville, FL, regarding Florida's energy needs, 15-16 May 1980.

Invited Lecture, "Ocean Energy Systems," Naval Resource Officers Seminar, Coconut Grove, FL, 3 June 1980.

Invited Lectures, "Hydrogen Energy System," "Hydrogen Production Methods," "Applications of Hydrogen," and Instabilities in Boiling Water Reactors and Two-Phase Flow Research in the United States," Quinhua University, Beijing, Jiaotong University, Xian, and Shanghai Jiaotong University, Shanghai, China, 10-21 June 1980.

Keynote Address, "Hydrogen Energy Actions for the 1980's," Third World Hydrogen Energy Conference, Tokyo, Japan, 23 June 1980.

Organizing Committee, Third World Hydrogen Energy Conference, Tokyo, Japan, 23-26 June 1980.

Invited Lecture, "Hydrogen and Environmental Factors in Estimating Fuel Costs," Japan Hydrogen Energy System Society Symposium," Tokyo, Japan, 26 June 1980.

Keynote Address, "Initiation of the Hydrogen Energy System," Third World Hydrogen Energy Conference, Tokyo, Japan, 23-26 June 1980.

Co-Chairman and Invited Lecture, "Hydrogen Energy System," Symposium on the Production and Storage of Hydrogen, Kyoto University, Kyoto, Japan, 28 June 1980.

Television Appearance, "Informal Discussion on the Energy Crisis with Possible Solutions," Something on 17 - Channel 17, Miami, FL, 3 July 1980. Invited Lecture, "Next Step for a Sunny Future," Ege University, Izmir, Turkey, August 1980.

Scientific Consultant and Lecturer, "Hydrogen Energy System and Solar Hydrogen Production," Cukurova University, Adana, Turkey, August 1980.

Invited Lecture, "Two-Phase Flow Instabilities in Heat Exchangers," Advanced Study Institute on Heat Exchangers, Thermal-Hydraulic Fundamentals and Design, Bogazici University, Istanbul, Turkey, 4-15 August 1980.

Advisory Committee Member, Florida Solar Energy Center, Cape Canaveral, FL, 22 September 1980.

Invited Lecture, "Hydrogen Energy System," Rotary Club, Coconut Grove, FL, 23 September 1980.

Invited Lecture, "Hydrogen Energy System," Kiwanis Club, Coral Gables, FL, 7 October 1980.

Invited Lecture, "Hydrogen Energy System," American Society of Mechanical Engineers, Miami, FL, 30 October 1980.

Invited Lectures, "Hydrogen Energy System Concept," "Hydrogen Production Methods," and "Application of Hydrogen Energy to Homes and Buildings," Argentinean Aerospace Research Center, Buenos Aires, Cordoba and Trelew, Argentina, 20-30 November 1980.

Keynote Speaker, Opening Session, Florida International University's Conference on Energy Research and Conservation Related to the Build Environment, Miami Beach, FL, 8 December 1980.

Chairman, Third Miami International Conference on Alternative Energy Sources, Miami Beach, FL, 15-17 December 1980.

Member, Technical Advisory Committee, International Conference on Energy Resources and the Environment, held in Manila, Philippines, 5-9 January 1981.

Invited Lecture, "The Unifier of Non-Conventional Energy Sources: Hydrogen Energy System," International Conference on Energy Resources and the Environment, held in Manila, Philippines, 5-9 January 1981.

Invited Lecture, "Hydrogen Energy System," Broward County Chamber of Commerce, Ft. Lauderdale, FL, 9 February 1981.

Invited Lecture, "Hydrogen Energy System," Third Annual Energy Seminar, Gannon University, Erie, PA, 31 March - 1 April 1981.

Chairman, Miami International Symposium on Metal-Hydrogen Systems, Miami Beach, FL, 13-15 April 1981.

Advisor to Institut Superior des Materiaux et de la Construction Mecanique (France), Cooperating with the Agency for Energy Conference, May 1981.

Chairman, Organizing Committee, Seminar on Alternative Energy Sources with Emphasis on Solar Energy, Miami, FL, 4-9 May 1981.

Invited Lectures, "The Unifier of Non-Conventional Energy Sources: Hydrogen Energy System," and "Unusual Applications of Hydrogen," Second International Symposium on Non-Conventional Energy, Trieste, Italy, 14 July - 6 August 1981.

Invited Lecture, "Conservation Through Hydrogen Energy," Second National Forum on Energy Conservation in Industry, 23-26 September 1981, Medellin, Columbia.

Invited Lecture, "Hydrogen Energy System and the Development of Amazonia," Conference on Energy for the Development of Amazonia, Leticia, Columbia, 1981.

Invited Lecture, "Solar/Hydrogen Energy System and Applications for Environmental Planning," Workshop on Alternative Technologies, Miami Beach, FL, 9 November 1981.

Invited Lectures, "Solar Energy and Hydrogen Energy," sponsored by the National Science Foundation, the Pakistan Science Foundation and the Indian National Remote Sensing Agency, at

research organizations and universities in Karachi, Islamabad, and Lahore, Pakistan; and in Delhi, Hyderabad, Bombay and Ahmedabad, India, 12-24 February 1982.

Invited Lecture, "Applications of Hydrogen for Air Transportation," under the auspices of UNESCO, School of Aeronautical Engineering, Cordoba, Argentina; also "Hydrogen Energy System," Society of Engineers and Architects in Cordoba, 28 March - 7 April 1982.

Chairman, Organizing Committee, 16th Southeastern Seminar on Thermal Sciences, Miami Beach, FL, 19 - 21 April 1982.

Member, Organizing Committee, Fourth World Hydrogen Energy Conference, Pasadena, CA, 13-17 June 1982.

Keynote Address, "Hydrogen System: A Smooth Phase-In," World Hydrogen Energy Conference IV, Pasadena, CA, 13-17 June 1982.

Member, Systems Analysis Technical Committee, American Society of Mechanical Engineers.

Member, Seminar Program Committee, Gannon University College of Science and Engineering, 1981 and 1982.

Institutional Representative: Energy Research Council, University of Notre Dame, Notre Dame, IN, 1982.

United Nations Energy Consultant to Argentina: Scheduled visit, March, April 1982.

Organizer of a Hydrogen Energy Seminar for Peking and Shanghai, China, 1982.

Invited Lecture, "Hydrogen Energy System," Friends of Physics, Main Campus, University of Miami, Coral Gables, FL, 3 May 1982.

Invited Lecture, "Recent Environmental Studies and the Hydrogen Energy System," Spring Symposium on Hydrogen Outlook in Canada of the Electrochemical Society in Montreal, Canada, 7 May 1982.

Chairman, Second Spanish Seminar on Alternative Energy Sources with Emphasis on Solar Energy and Delivery of Opening Address, Miami, FL, 10 May 1982.

Member, International Advisory Committee for the Argentinean Energy Symposium, to be held in Bogota, Colombia, 13-30 July 1982.

Invited Lecture, "Hydrogen Energy System and Recent Progress," Third International Symposium on Non-Conventional Energy, Bogota, Colombia, 26 July 1982.

Lecture Tour in USSR, "Hydrogen Energy System and Hydrogen Production Methods," Moscow, Dushanbe, Samarkand, Bukhara and Tashkent, 21-29 August 1982.

Invited Lecture, "Hydrogen as an Alternative to Hydrocarbon Fuels," Broward County, American Society of Mechanical Engineering, 23 September 1982.

Invited Lecture, "Hydrogen Energy System: Available Replacement for Fossil Fuel System," South Florida American Institute of Chemical Engineers, Miami Lakes, FL, 9 December 1982.

Chairman, Organizing Committee, Fifth Miami International Seminar on Alternative Energy Sources, Miami Beach, FL, 13-15 December 1982.

Invited Lecture, "Quality of Life and its Components: Population, Energy, Pollution and Conservation," International Symposium on Energy and Conservation Measures, Kuwait, 5-9 February 1983.

Chairman, Organizing Committee, International Symposium-Workshop on Renewable Energy Sources, Lahore, Pakistan, 18-23 March 1983.

Chairman, Organizing Committee, Third Multi-Phase Flow and Heat Transfer Symposium-Workshop, Miami Beach, FL, 18-20 April 1983.

Invited Lecture, "Hydrogen Energy System and Comparison with Fossil Fuels," Conference on Non-Conventional Energy Sources, presented by Escuela Superior Tecnica, Buenos Aires, Argentina, 12-16 June 1983.

Invited Lecture and Keynote Address, "Hydrogen Energy Developments in the United States," 10th Anniversary Symposium of the Hydrogen Energy System Society of Japan, Tokyo, Japan, 5-7 September 1983.

Invited Lecture, "Hydrogen Energy System and Comparison with Fossil Fuels System," Texas A & M University, College Station, TX, 28 October 1983.

Chairman, Organizing Committee, Miami International Symposium on the Biosphere, Miami Beach, FL, 23-25 April 1984.

Invited Lecture and Opening Address, "Two-Phase Flow Instabilities in Single Channels," China-US Seminar on Two-Phase Flow and Heat Transfer, Xian, China, 8-15 May 1984.

Invited Lecture, "The Hydrogen Energy Economy," Monash University, Melbourne, Australia, 21 June 1984.

Member, Organizing Committee, Honorary Chairman and Opening Address, "The Hydrogen Energy System: The Next Action," Fifth World Hydrogen Energy Conference, Toronto, Canada, 15-19 July 1984.

Invited Lecture, "Hydrogen Energy System and Comparison with the Fossil Fuel System," Rotary Club of Homestead, Homestead, FL, 29 August 1984.

Symposium Co-Chairperson, U. S. - India Symposium-Workshop on Remote Sensing, Ahmedabad, India, 11-15 March 1985.

Member, Advisory Committee, Hydrogen in Metals International Symposium, Belfast, Northern Ireland, 26-29 March 1985.

Invited Lectures, "Hydrogen Energy System," and "Solar Production of Hydrogen," King Abdulaziz University, Jeddah, Saudi Arabia, 7-9 April 1985.

Symposium Co-Chairman, Chairman, Final Plenary Session on Hydrogen Energy for China and Invited Lecturer, "Hydrogen Systems and International Cooperation," and "Hydrogen Energy and its Environmental Effects," Beijing International Symposium on Hydrogen Systems, Beijing, China, 7-11 May 1985.

Invited Lecturer, "Hydrogen Energy System and Solar Production of Hydrogen," and "Hydrogen Versus Synthetic Hydrocarbon Fuels," at the invitation of the Soviet Academy of Sciences; lectures at Tblisi and Baku, Georgian SSR and Azerbaijan SSR, 22 June - 2 July 1985.

Member, Advisory Committee: Workshop on the Physics of Non-Conventional Energy Sources and Material Science for Energy, Trieste, Italy, 2-20 September 1985.

Invited Lecture, "Hydrogen Energy System and Implementation in Sun-Belt," Muslim Conference on Energy, Tunis, Tunisia, 15-18 September 1985.

Member, Organizing Committee, Energy for the Americas International Conference, San Juan, PR, 13-29 October 1985.

Invited Lecture, "Hydrogen Energy System vs. Fossil Fuel System," Energy for the Americas International Conference, San Juan, PR, 12-19 October 1985.

Chairperson, Seventh Miami International Conference on Alternative Energy Sources, Miami Beach, FL, 9-11 December 1985.

Invited Testimony in favor of the proposed bill, Hydrogen Energy Research and Development Act H. R. 3889, Committee on Science and Technology of the U.S. House of Representatives in Washington, DC, 12 March 1986.

Forum participant at the invitation of Governor Bob Graham, Growth Management and Florida Energy Forum, Miami, Florida, 14-15 March 1986.

Invited Lecture, "Hydrogen Versus Fossil Fuels," 8th Annual Seminar, Gannon University, Erie, PA, 18-19 March 1986.

Invited Lecture, "The Environmental and Health Costs of Hydrocarbons Compared with Hydrogen as an Energy Form," also presented as a proposal for a joint US-Canada project for converting the Midwest and Northeast.

United States and Eastern Canada to the Hydrogen Energy System, The Miami Beach Executives Club, Miami Beach, FL, 11 April 1986.

Invited Lecturer, "Hydrogen Energy System and Comparison with the Fossil Fuel System," The Miami Beach Executives Club, Miami Beach, FL, 11 April 1986.

Member, International Conference Committee, International Conference on Hydrogen and Methane in Africa, Brazzaville, R. P. Congo, 15 May 1986.

Symposium Chairman, U.S.-Spain Symposium on Renewable Energy Sources, Madrid, Spain, 18-23 May 1983.

Keynote Address and Invited Lecture, "Hydrogen Energy Economics," Symposium Chairman, U.S.-Spain Symposium on Renewable Energy Sources, Madrid, Spain, 18-23 May 1986.

Invited Lecture, "Hydrogen as the Clean Energy Fuel of the Future," Association of Energy Engineers, Miami, FL, May 1986.

Invited Lecture, "Progress and Problems in Hydrogen Technology re Energy Needs of Human Settlements," U. N. Expert Group Meeting on Energy in Human Settlements, Bangalore, India, 2-5 June 1986.

Keynote Address, "Dawning of the Hydrogen Era," Sixth World Hydrogen Energy Conference, Vienna, Austria, 20-25 July 1986.

Honorary Conference Chairman, Sixth World Hydrogen Energy Conference, Vienna, Austria, 20-25 July 1986.

Assistant to Project "Nuclear Engineering," and Special Task "Two-Phase Flow and Heat Transfer," for Centro Atomico Bariloche, Bariloche, Argentina, 21 July 1986.

Invited Lecture, "Future World Energy System Based on Hydrogen," Fourth Scientific Conference, Scientific Research Council, Baghdad, Iraq, 23-28 October 1986.

Invited Lecture, "The Relationship Between Scientific and Economic Progress and Energy Consumption and Education," also took part in the roundtable discussions of the Final Plenary Session of the Science and Technology in the Year 2000 Conference, Istanbul, Turkey, 4-6 November 1986.

Invited Lecture, "Hydrogen Energy System: Energy Infrastructure of the Future," Florida Chapter, Association of Energy Engineers, Miami, FL, 12 November 1986.

Chairman, Organizing Committee, Fourth Miami International Symposium on Multi-Phase Transport and Particulate Phenomena, December 1986.

Invited Lecture, "Status of Hydrogen Energy Research," USSR Academy of Sciences, Moscow, USSR, January 1987.

Invited Lecture, "Hydrogen Energy," Florida Atlantic University, Miami, FL, February 1987.

Series of Lectures, "Two Phase Flow Instabilities in Boiling Water Reactors" and "Hydrogen Production Using Nuclear Energy," Argentinean Atomic Energy Research Center, Bariloche, Argentina, under the auspices of the International Atomic Energy Agency; also discussed joint projects on Nuclear Reactor Instabilities and Hydrogen-Hydride Systems, March 1987.

Organizing Committee, Workshop on Materials Sciences, Energy and Development, Kingston, Jamaica, 23 March - 10 April 1987.

Invited Lecture, "Hydrogen Energy System and Comparison with the Fossil Fuel System," U. S.-Jamaica Workshop, University of the West Indies, Kingston, Jamaica, March 1987.

Invited Lecture, "Hydrogen vs. Synthetic Fossil Fuels," RETSIE Conferences, Los Angeles, CA, May 1987.

Invited Lecture, "Hydrogen Energy System vs. Fossil Fuels," Manila, Philippines, May 1987.

Co-Chairman, International Symposium-Workshop on Silicon Technology, Islamabad, Pakistan, June 1987; also gave the Opening Address and an Invited Lecture entitled "Hydrogen for Storing Solar Energy and Applications."

Participant, Third Session, Provisional World Parliament, proposed the Hydrogen Energy System, which was adopted as the future energy infrastructure of the world, Miami Beach, FL, June 1987.

Member, Program Committee, Second World Basque Congress, Bilboa, Spain, 18-23 October 1987; Invited Lecture, "Hydrogen Energy System: Energy Infrastructure of the Future."

Organizing Committee, Eighth Miami International Conference on Alternative Energy Sources, Miami, FL, December 1987.

Invited Lecture, "Economics of Hydrogen vs. Fossil Fuels," Hydrogen Photovoltaic Production Workshop, Honolulu, HI, January 1988.

Testimony before the Senate Committee, Washington, DC, regarding solutions to the Greenhouse Effect, June 1988.

Invited Lecture, "Hydrogen Energy System and the Comparison with the Fossil Fuels System," Annual Meeting of the Chemical Society, Toronto, Ontario, Canada, June 1988.

Invited Lectures, "Hydrogen as a Storage for Solar Energy," and "Comparison of Hydrogen with Fossil Fuels," NATO Institute on Energy, Izmir, Turkey, July 1988.

Visited the TUBITAK Research Center, Istanbul, Turkey, to give advice on energy research projects, August 1988.

Co-Chairman, International Symposium on Heat Transfer Enhancement and Energy Conservation, Guangzhou, China, 2-5 August 1988.

Honorary Chairman, Seventh World Hydrogen Energy Conference, Moscow, USSR, September 1988.

Keynote Address, "Takeoff of the Hydrogen Energy System," Seventh World Hydrogen Energy Conference, Moscow, USSR, September 1988.

Presentation, "Solar-Hydrogen Energy System for Libya," Seventh World Hydrogen Energy Conference, Moscow, USSR, September 1988.

Presentation, "Mixture Formation Techniques for Hydrogen-Fueled Internal Combustion Engines," Seventh World Hydrogen Energy Conference, Moscow, USSR, September 1988.

Invited Lecture, South Miami Rotary Club on "Hydrogen Energy," November 1988.

Invited Lecture, "Hydrogen Energy System as a Future World Energy System," Symposium on Frontiers of Physics, Lubbock, TX, 4-5 November 1988.

Invited Lecture, "The Hydrogen Energy System as an Answer to the Problems of the Greenhouse Effect, Acid Rains and Pollution," Global Energy Forum, ENERGEX '88, 25-30 November 1988, Tripoli, Libya; also met with and discussed energy problems and solutions with the Program Directors at the Solar Energy and Wind Energy Divisions of the Ministry of Energy.

Chairperson, Fifth Miami International Symposium on Multi-Phase Transport and Particulate Phenomena, Miami Beach, FL, 12-14 December 1988.

Chairman, International Organizing Committee, Manila International Symposium on the Development and Management of Energy Resources, Manila, Philippines, 26-28 January 1989.

Invited Lecture, "Hydrogen Energy System and Comparison with the Fossil Fuel System," Opening/Plenary Session, Manila International Symposium on the Development and Management of Energy Resources, Manila, Philippines, 26-28 January 1989.

Invited Lecture, "Hydrogen Energy System as an Answer to the Greenhouse Problem," Pacific International Center Workshop, Honolulu, HI, March 1989.

Participated in the Inauguration of the Turkish National Foundation for Science and Technology and took part in future planning activities, Istanbul, Turkey, 26 March 1989.

Invited Lecture, "Solar Hydrogen Versus Synthetic Fossil Fuels," Annual Meeting of the American Society of Chemical Engineers, Toronto, Canada, June 1989.

Invited Lecture, "Hydrogen Energy System as the Future System for the World," Zurich, Switzerland, 4 August 1989.

Invited Lecture, "Economic Comparison of Solar Hydrogen Energy with the Fossil Fuel System," International Symposium on Solar Hydrogen Energy for the Prevention of a Fossil Holocaust, Zurich, Switzerland; also took part in Panel Discussion for consideration of the implementation of a solar-hydrogen energy system for Europe, 1-2 November 1989.

Invited Lecture, "Cost of Energy for the Consumer Today and Tomorrow," Fourth Annual Conference on Environment and Renewable Energy, Basel, Switzerland, 1 December 1989.

Chairman, Organizing Committee, Ninth Miami International Congress on Energy and Environment, Miami Beach, FL 11-13 December 1989.

Invited Lecture, "Higher Education Reforms for Scientific and Economic Progress," Role of Science Technology in Progress Conference, Istanbul, Turkey, 16-20 April 1990.

Invited Lecture, "Importance of International Standards for Establishing the Hydrogen Energy System," Hydrogen Energy Technology Standards Conference, London, England, 17-23 June 1990.

Honorary Chairman, Eighth World Hydrogen Energy Conference, Honolulu, HI, 22-27 July 1990; Member, Organizing Committee.

Invited Lecture, "Past, Present and Future of the Hydrogen Economy," WHEC TREK: The Next Generation, Honolulu, HI, 26 July 1990.

Invited Lecture, "Economics of Hydrogen," Eighth World Hydrogen Energy Conference, Honolulu, HI, 22-27 July 1990.

Invited Lectures, Symposium on Energy for Isolated Settlements, Buenos Aires, Argentina, "Hydrogen as an Energy Vector," 6 August; "Hydrogen Production Methods," 7 August, and "Viability of Hydrogen Utilization in Isolated Settlements," on 8 August 1990.

Invited Lectures on Hydrogen Energy, Alternative Energy Sources, Greenhouse Effect and Environmental Problems and Energy, various universities in Turkey, TUBITAK Research Center and the Turkish Foundation for Scientific and Technological Research, 11-25 August 1990.

Convener, Geothermal and Other Forms of Renewables Session, World Renewable Energy Congress, Reading, United Kingdom, 23-28 September 1990.

Chairman, Organizing Committee, Sixth Miami International Symposium on Multiphase Transport and Particulate Phenomena, Miami Beach, FL, 10-12 December 1990.

Member, Organizing Committee, RNAAS Colloquium on "Emerging Energy Technologies for a Sustainable Future," Amsterdam, The Netherlands, 4-8 March 1991.

Invited Lecture, "Misdeeds of the Fossil Fuels and a Permanent Solution: The Hydrogen Energy System," USSR Academy of Sciences, Baku, USSR, 9-16 March 1991.

Invited Lecture, "Hydrogen as a Clean and Efficient Transportation Fuel," Developing Sound Energy Options for Florida's Future Meeting, Coral Gables, FL, 23 March 1991.

Invited Lecture, "The Permanent Energy System for the Sunshine State: The Solar Hydrogen Energy System," Coral Gables Kiwanis Club, Coral Gables, FL, May 1991.

Member, Executive Committee, International Conference on the Analysis of Thermal and Energy Systems, Athens, Greece, 3-6 June 1991.

Keynote Lecture, "Misdeeds of Fossil Fuels and a Permanent Solution," First International Symposium on Environmental Pollution and Control, Izmir, Turkey, 8 June 1991.

Keynote Lecture, "Comparison of the Solar-Hydrogen Energy System with the Fossil Fuel System," ACHEMA '91 International Meeting on Chemical Engineering and Biotechnology, Frankfurt, Germany, 9-15 June 1991.

Invited Lecture, "The Hydrogen World," Conference on Hydrogen Opportunities for Alaska, Anchorage, AK, 25 June 1991.

Invited Lectures, "Assessment of the Environmental Damage by Fossil Fuels" and "Economic Comparison of Hydrogen Energy and Fossil Fuel Systems," NATO ASI Meeting on Chemistry and Chemical Engineering of Catalytic Solid Fuel Conversion for the Production of Clean Synthetic Fuels, Akcay, Turkey, 21 July - 3 August 1991.

Member, Organizing Committee, Keynote Lecture, "Renewable Energy Sources for a Bright Future," First Baku International Symposium on Energy, Environment and Economy, Baku, Azerbaijan, USSR, 20-23 August 1991.

Organizing Committee, Keynote Lecture, "Conference Goals and Challenges," Project Hydrogen '91, Independence, MO, 16-18 September 1991.

Member, Organizing Committee, Hydrogen as a Renewable Energy Source for the Protection of the Environment - International Conference, Milan, Italy, 21 -23 October 1991.

Invited Lecturer, Colloquium on Energy Technologies and Sustainable Development: Long Range R & D Opportunities, Noordwijkerhout, The Netherlands, 4-7 December 1991.

Member, International Liaison Committee for International Conference and Exhibition on Advances in Materials and Processes, Bombay, India, 16-19 February 1992.

Invited Lecture, "New Turkish World and Economic Development," Annual Meeting of the Association of Turkish-American Scientists, 14 February 1992.

Invited Lecture, "The Hydrogen Energy System," Global Environmental Issues Class GSC 578, University of Miami, Coral Gables, FL,3 March 1992.

Invited Lecture, "Environmental Problems Facing our Planet and the Permanent Solution by Replacing the Fossil Fuel System with the Hydrogen Energy System," Indian Institute of Technology, Bombay, India, 12 March 1992.

Honorary Chairman, Ninth World Hydrogen Energy Conference, Paris, France, 22-25 June 1992.

Member, Scientific International Committee, FLOWERS '92 Symposium, Florence, Italy, June 1992.

Co-Chairperson, Invited Lecture, "Pilot Projects: A Way Toward Initiation of the Hydrogen Energy System," First Tatarstan Symposium on Energy, Environment & Economics, Kazan, Tatarstan, Russia, 9-13 August 1992.

Invited Lecture, "Hydrogen Energy System and its Effective Cost," Second World Renewable Energy Congress, Reading, United Kingdom, 13-18 September 1992.

Member, International Steering Committee and Invited Lecture, Second World Renewable Energy Congress, Reading, United Kingdom, 13-18 September 1992.

Invited Lecture, "Hydrogen: The Universal Fuel and Comparison with Other Fuels," Workshop on the Resource Potential of Energy Gases, Palo Alto, CA, 20-23 October 1992.

Invited Lecture, "Hydrogen Energy System as a Solution to Global Environmental Problems," EXPO-92 for A Better World, Miami, FL, 20-22 November 1992.

Invited Lecture, Expert Group Meeting as an Energy Alternative for Developing Countries, Havana, Cuba, 16-18 December 1992.

Invited Lectures, "Environmental Problems Facing our Planet and Cost of Environmental Damage," and "Solar Hydrogen Energy System and Comparison with Fossil Fuel System," Second International Symposium-Workshop on Silicon Technology: Developments and Its Role in the Sun Belt Countries, Islamabad, Pakistan, 7-10 May 1993.

Session Chair, Project Energy '93, Kansas City, MO, 20-23 June 1993.

Invited Lecture, First International Conference on New Energy Systems and Conversions, Yokohama, Japan, 27-30 June 1993.

Invited Lecture, Baku International Symposium on Energy Environment and Economics, Baku, Azerbaijan, 17-20 August 1993.

Honorary Chairman, The Third Interrepublic Conference "Hydrogen Materials Science and Chemistry of Metal Hydridesm" Katsivelli, Ukraine, August-September 1993.

Invited Lecture, First National Symposium on Clean Energy, Istanbul, Turkey, 20-22 December 1993.

Honorary Chairman, "Twenty Years of the Hydrogen Movement: 1974-1994," Tenth World Hydrogen Energy Conference, Cocoa Beach, FL, 20-24 June 1994.

Invited Lecture, "Solar Hydrogen Energy System for Libya," Center for solar energy Studies, Tripoli, Libya, 25-30 July 1994.

Invited Lectures, "Environmental and Economic Reasons for Hydrogen Energy System," "Comparison of Hydrogen Energy System with Fossil Fuel System," and "Twenty Years (1974-1994) of Progress in Hydrogen Energy," NATO Advanced Study Institute on Hydrogen Energy Systems, Utilization of Hydrogen and Future Aspects, Akcay, Turkey, 21 August-3 Sept. 1994.

Invited Lecture, "Solar Hydrogen Energy system: Permanent Energy Option for Saudi Arabia," at the Second Saudi Symposium on Energy, Utilization and Conservation, Dahran, Saudi Arabia, 27-3 November 1994.

Invited Lecture, "Hydrogen Technologies," Fifth International Conference on Productivity and Quality Research (ICPQR '95), Miami, FL, 21-24 February 1995.

Keynote Address, "Progress in Hydrogen Energy and Recommendations to Canada," Seventh Canadian Hydrogen Workshop, Quebec City, Canada, 4-6 June 1995.

Keynote Address, "Advances in Hydrogen Energy Technologies," International Conference on Advances in Strategic Technologies, Bangi, Selangor, Malaysia, 12-15 June 1995.

Invited Lecture, Hydrogen Power, Thermal and Electrochemical Systems International Symposium (HYPOTHESIS), Cassino-Gaeta, Italy, 26-30 June 1995.

Invited Lecture, Workshop on Second Low Analysis of Energy System, Rome, Italy, 5-7 July 1995.

Member, Scientific Committee, Efficiency, Costs, Optimization, Simulation, and Environmental Impact of Energy Systems (ECOS '95), Istanbul, Turkey, 11-14 July 1995.

Invited Lecture, "Progress in Hydrogen Energy," Second International Conference on New Energy Systems and Conversions, Istanbul, Turkey, 31 July - 4 August 1995.

Member, Scientific Committee, Tenth National Heat Transfer Conference, Ankara, Turkey, 6-8 September 1995.

Invited Lecture, "Hydrogen Energy System as a Solution to Global Environmental Problems," Joint Fall Meeting of Texas Sections of American Physical Society and American Association of Physics Teachers & Society of Physics Students, Zone 13, Lubbock, Texas, 26-28 October 1995.

Co-Chairman, International Symposium on Energy, Environment and Economics, Melbourne, Victoria, Australia; gave talk entitled "Energy and Environmental Considerations for a Sustainable Development". Took part in Public Round Table Discussion on Energy, Environment & Economics. Presented two papers entitled, "A Solution to Global Energy and Environmental Problems: Hydrogen Energy System" and "Progress in Hydrogen Energy System", 20-24 November 1995.

Lecture, "Environmentally Compatible System: Hydrogen Energy System", Indian National Environmental Engineering Research Institute in Nagpur, India, 11 December 1995.

Invited Lecture, "Hydrogen Energy for a Sustainable Future," Expert Group Meeting, International Centre for Hydrogen Energy Technologies, Istanbul, Turkey, 27-29 May 1996.

Invited Lecture, "Developments in Hydrogen Energy Technologies," Expert Group Meeting, International Centre for Hydrogen Energy Technologies, Istanbul, Turkey, 27-29 May 1996.

Honorary Chairman, 11th World Hydrogen Energy Conference, Stuttgart, Germany, 23-27 June 1996.

Opening Address, "Hydrogen Energy System: Fossil Fuel Industry and Sustainability Economics," 11th World Hydrogen Energy Conference, Stuttgart, Germany, 23-27 June 1996.

Invited Lecture, "Hydrogen Energy for a Sustainable Future," National University of Spain, Madrid, Spain, 15-19 July 1996.

Opening Keynote Address and two Plenary Lectures entitled "Interconnected Global Problems of Energy & Environment and Solutions," "Comparison of Hydrogen Energy and Fossil Fuels," and Hydrogen Energy System and its Environmental Benefits," First Trabzon International Energy & Environment Symposium, organized by Karadeniz Technical University, 29 July – 26 August 1996.

Seminar entitled "Hydrogen Energy as an Answer to Global Energy and Environmental Problems," Mugla University, Turkey, 29 July – 26 August 1996.

Theme Address at Opening Session, and lecture entitled "Progress in Hydrogen Energy and Recommendations for Early Implementation," at the Workshop on Hydrogen Energy Technologies, Banaras Hindu University, Varanasi, India, 29 November – 1 December 1996.

Panelist, U.S. Department of Energy Hydrogen Technical Advisory Panel, Alexandria, Virginia. Gave presentation entitled "Hydrogen Energy Activities Abroad and Recommendations to the Department of Energy," 10-11 March 1997.

Invited Lecturer, Inaugural Meeting of the Argentinean Hydrogen Energy Association; Opening Lecture entitled "Hydrogen Energy System as a Solution to Global Environmental Problems," 25-27 November 1997.

Two Lectures in Turkey: Electric Power Research Institute in Ankara, entitled "Hydrogen Energy: The Energy System of the 21st Century," and at the University of Nigde, "On Energy and Economic Progress", on 16 December 1997 and 18 December 1997 respectively.

Luncheon Speaker: Environmental Essential Workshop, organized by the Miami-Dade County Department of Environmental Resources Management. His talk was entitled "The Effect of Global Warming on South Florida and the Remedies", 8 April 1998.

Keynote Speaker, Seventh International Conference on Productivity and Quality Research, Miami, Florida. Lecture was entitled "Hydrogen Energy Factors in Environmental Quality and Sustainability Economics", 26-29 April 1998.

Invited Lecturer – NSF Novel Trends in Environmental and Agricultural Biotechnology, Izmir, Turkey. Two lectures: "Environmental Damage Caused by Fossil Fuels," and "Remediation of the Environmental Damage caused by Fossil Fuels through the Solar Hydrogen Energy System," 11-14 May 1998.

Honorary Chairman, 12th World Hydrogen Energy Conference, Buenos Aires, Argentina. Opening Address entitled "Dawning of the Hydrogen Age"; also participated with three joint papers, participated at the Hydrogen Technical Advisory Panel deliberations, 21-25 June 1998.

Invited Lecture, ENERGEX '98 Conference, Manama, Bahrain. Keynote Address entitled "Solar Hydrogen Energy System: A Permanent Answer to Global Energy and Environmental Problems;" chaired the session on New Energy Options, and served on the Best Papers Selection Committee, 18-21 November 1998.

Participant at the Third Workshop on Energy and Environment, Tripoli, Libya, . 20-21 October 1998.

Invited Lecture, Mackenzie University, Sao Paulo, Brazil. Gave three lectures on Solar Hydrogen Energy System as the Permanent Answer to Global Energy and Environmental Problems, 26-29 November 1998.

Honorary Member: University of Miami Heritage Society – 1999.

Invited Lecture: 8th International Conference on Productivity and Management of Technology, Cairo, Egypt, 16-18 March 1999,. The title of the lecture was: "Hydrogen Factor for Achieving a Sustainable Future". He also made a presentation to the scientists at the Egyptian National Research Center in Dokki, Cairo, entitled "Solar Hydrogen Energy System for Economic Development of Egypt".

Co-Chairman of The First Minia International Conference for Advanced Trends in Engineering, Minia, Egypt, 14-16 March 1999, Minia, Egypt. His Opening Lecture was entitled "Solar Hydrogen Energy System: A Permanent Answer to Energy and Environmental Problems". He also served on the Advisory Board of the Governor of Minia for the new Industrial Zone being established.

Invited Lecture: "Externalities Associated with Burning Fossil Fuels," 10th Annual U.S. Hydrogen Meeting: Hydrogen: Setting the Standard for a Global Energy System, Tyson's Corner, Vienna, Virginia, 7-9 April 1999.

Invited Lecture, "Clean Energy, Clean Environment and Competitiveness,"8th International Conference on Productivity and Quality Research, Vaasa, Finland, 14-16 June 1999.

Keynote Lecture: "Achieving a Sustainable Future," 4th International Conference on new Energy Systems and Conversions, Osaka, Japan, 27- June – 1 July, 1999.

Invited Lecture entitled "Clean Energy and New Energy Systems," 4th International Conference on New Energy Systems and Conversions, 27 June-1 July 1999, Osaka, Japan.

Invited Lectures, National University of Spain, "Solar Hydrogen Energy System and its Implications for Spain to the participants of the NUS Extension Course in Avila; also "Achieving Sustainability and the Role of Hydrogen Energy" to the Engineering Faculty of the University of Seville, Spain, as well as a television interview concerning Hydrogen Energy as a Solution for Global Warming on the National Education Television in Madrid, 18-23 July 1999.

Co-Director, International Organizing Committee of the ICHMS'99 Conference in Katsiveli, Crimea, Ukraine, 2-8 September 1999.

Keynote Address entitled "Achieving Sustainable Future," 5th Baku International Congress on Energy Ecology Economy, Baku Azerbaijan; also testified before the Azerbaijan Parliamentary Committee on Ecology on the Protection of the Environment, 21-24 September 1999.

Keynote Address entitled "Hydrogen Energy as a Solution to Global Energy and Environmental Problems," First International Energy Conference in Al-Ain, United Arab Emirates, 7-9 May 2000.

Seminar entitled "Renewable Energy: the Solar Hydrogen Energy System" at the United Arab Emirates University in Al-Ain, United Arab Emirates, May 2000.

Invited Lecture: NATO-ASI, Izmir, Turkey, June 2000.

Opening Address entitled "Implementation of the Hydrogen Economy," Also Keynote Address entitled "Quarter Century of the Hydrogen Movement,"13th World Hydrogen Energy Conference, Beijing, China, 11-15 June 2000.

Opening Address entitled "Hydrogen Energy and the Importance of Safety; also Keynote Address entitled "Safest and Environmentally Most Compatible Energy System – Hydrogen Energy System," First International Symposium on Safety and Economics of Hydrogen Transport, Sarov, Russia, 24-28 July 2000.

Presentations entitled "Hydrogen Energy System for Mitigating Global Warming," Pakistan National Workshop on Kyoto Protocol Implementation, and a presentation entitled "Hydrogen Energy System: Permanent Solution to Global Energy and Environmental Problems, at the Pakistan Council of Science and Technology, Islamabad, Pakistan, 29 July through 1 August 2000.

Invited Lecture, "Hydrogen Production, Storage, Distribution and Utilization Technologies" at the North Rhine Westphalia Energy Industry Symposium, Düsseldorf, Germany, 15 September 2000.

Honorary Chairman, Welcoming Address and talk entitled "Hydrogen Energy as a Solution to Global, Energy and Environmental Problems" to the YOUTH HYFORUM 2000, HYFORUM 2000 MEETING, Munich, Germany, 10-14 September 2000.

Invited Paper entitled "Hydrogen Energy System and Comparison with Fossil Fuel System; also Banquet Address entitled "Quarter Century of Hydrogen Movement," Forum on Converting to a Hydrogen Economy, Fort Collins, Colorado, 22-24 September 2000.

Invited Lecture entitled "Quarter Century of Hydrogen Movement," Hydrogen Energy Colloquium, Lyon, France, 17 October 2000.

Invited Lecture entitled "Hydrogen Energy and Transportation," International Conference on Automotive Technology 2000, Istanbul, Turkey, 19-20 October 2000.

Invited Presentation entitled "Converting Florida to a Solar Hydrogen Energy System from the Present Fossil Fuel System and luncheon speech entitled "Progress in Hydrogen Energy, at the Hydrogen Summit Meeting: Planning the Bridge to Florida's Future, Tallahassee, Florida, 24-25 October 2000.

Invited Lecture entitled "Hydrogen Energy and Transportation," First International Seminar on Fuel Cells for Transportation, Mexico City, Mexico, 7-8 November 2000.

Invited Lecture entitled "Hydrogen Energy: Permanent Solution to Global Energy and Environmental Problems" to the Argentina National Hydrogen Association, Buenos Aires, Argentina, 23 November 2000.

Honorary Membership in the Argentina Academy of Science; lecture entitled "Hydrogen Energy: Permanent Solution to Global Energy and Environmental Problems, to the Argentina National Hydrogen Association in Buenos Aires; lecture entitled "Hydrogen Energy System and Argentina" to the Argentina Academy of Science in Cordoba, 23-24 November 2000.

Invited Lecture entitled "Energy, Education and Economic Development" to the Turkish National Security Council, Ankara, Turkey, 29 November 2000.

Invited Lecture entitled "Hydrogen Energy System: A Permanent Solution to Global Energy and Environmental Problems" at the Gazi University, Ankara, Turkey, 30 November 2000.

Keynote Address entitled "Hydrogen Energy System: Permanent Solution to Global Energy and Environmental Problems," at the Second Congress of the Mexican Hydrogen Energy Society, Cuernavaca, Mexico, 7-8 December 2000.

Invited Lectures entitled "Hydrogen Energy System Concept and its Progress" and "Comparison of Hydrogen Energy System with Fossil Fuels," Workshop on New Trends and Breakthroughs in Hydrogen Energy, Istanbul, Turkey, 2-5 April 2001.

Keynote address entitled, "Hydrogen Energy System for Sustainability," at the Opening Session of the 3rd International Conference, "Hydrogen Treatment of Materials" (HTM-2001) on May 15, 2001, Donetsk, Ukraine.

Invited Lecture entitled, "Economic and Environmental Comparison of Hydrogen Energy System with Fossil Fuel System," at the University of Malaysia in Kuala Lumpur, Malaysia, 20 August 2001.

Invited Lectures entitled "Hydrogen Energy System: Enabler of Renewable Energy Resources," Pakistan Council of Renewable Energy Technologies, Islamabad, Pakistan, 18 August 2001;

Economic and Environmental Comparison of Hydrogen Energy System with Fossil Fuel System," University of Malaysia in Kuala Lumpur, Malaysia 20 August 2001; Keynote Address, "Hydrogen Energy and Quarter Century of Hydrogen Movement," 5th International Conference on New Energy Systems and Conversions, Shanghai, China, 22-25 August 2001.

Honorary chairman at the VII International Conference "Hydrogen Materials Science and Chemistry of Metal Hydrides, Alushta, Crimea, Ukraine, 17-21 September 2001; also gave Opening Speech "Importance of Hydrogen – Materials Reactions" and Keynote Address "Hydrogen Energy System and its Progress over Quarter of a Century".

Invited Lecture, "Hydrogen Energy System for Sustainability: Permanent Solution Global Energy Environmental Problems," Fifth International Conference on Ecomaterials, Honolulu, Hawaii, 2-4 October 2001.

Keynote Address, "21st Century's Energy: Hydrogen Energy System and Economy," Energy Forum, Istanbul, Turkey, 27-29 November 2001; also co-chaired Roundtable discussion on Energy.

Invited Lecture, "Hydrogen Energy System: Permanent Answer to Global Energy and Environmental Problems," University of Paris, Paris, France, 4-8 November 2001; also participated in roundtable discussion with members of French Hydrogen Energy Association concerning possible joint projects.

Invited Panelist at "Panorama 2002: Which Fuels for tomorrow?" Meeting organized by the French Petroleum Institute, Paris, France, 6 February 2002; also gave a presentation entitled "21st Century's Energy: Hydrogen Energy System".

Invited Lecturer at the Euro Course on Hydrogen Energy and Sustainability, Lisbon, Portugal, 12-16 April 2002; gave four lectures: "Environmental Degradation," "Quantification of Global Environmental Damage," "Hydrogen Energy System: Permanent Solution to Global Energy-Environmental Problems" and "Achieving Sustainability and Sustainability Economics".

Panelist to the 3rd International Energy Summit, 16-18 April 2002, Hanover, Germany. Speaker at the Hydrogen Energy Session, and discussed "the Present State and Future Promise of Hydrogen Energy Technologies".

Two invited lectures at the 70th Anniversary Celebrations of the University of Putra, Malaysia, Selangor, Malaysia, 13-18 May 2002. Two lectures entitled "Hydrogen Energy Fundamentals", and "21st Century's Energy: Hydrogen Energy System".

Honorary Chairman and Keynote address speaker of the 14th World Hydrogen Energy Conference at Montreal, Canada, 9-13 June 2002, and gave a lecture at the University of Montreal. Opening Address entitled "Dawn of the Hydrogen Age" and lecture at the University of Montreal entitled "21st Century's Energy: Hydrogen Energy System".

Invited speaker for one of the major Hydrogen producers of the world, Praxair Inc, of Houston, Texas, 22-24 June 2002. Lecture entitled "21st Century's Energy: Hydrogen Energy System and Opportunities for Hydrogen Producers".

Invited lecturer at three meetings in Turkey. First: Hydrogen Energy Conference in Ankara, gave the Keynote Address entitled "21st Century's Energy: Hydrogen Energy System". Second: Sakarya University in Adapazari, entitled "Hydrogen Energy System: Permanent Answer to Global Energy-Environment Problems". Third: Military Academy, Istanbul, entitled "Hydrogen Energy and Economic Progress," 16-19 July 2002.

Invited speaker at the 8th International Symposium on Renewable Energy Education, 4-8 August 2002, Orlando, Florida. Lecture entitled "Education and the Hydrogen Energy System".

Invited guest of the University of Azores, Portugal, met with government and university officials to discuss conversion of the energy system in the Islands to Hydrogen Energy and lecturer at the Environmental Studies Center of the University, in Terceira Island, lecture entitled "Hydrogen Energy: The Most Environmentally Compatible Energy System", 22-26 September 2002.

Invited speaker at the General Electric Research Laboratories Seminar in Schenectady, New York, 25 October 2002. Lecture entitled "21st Century's Energy: Hydrogen Energy System".

Invited Speaker and Panelist at the Trans Atlantic Congress, "Reshaping Transatlantic Relations for the 21" Century: The Citizen's Perspective", Miami Beach, FL, 14-16 November 2002.

Lecture entitled "Hydrogen Energy System and Cooperation between Transatlantic Countries". During the panel "Environmental Challenges: Which Changes are European and American Societies Ready to Accept?" discussed.

Invited lecturer at the Hydrogen Energy to French and European Scientific Organizations (CNRS Headquarter Paris, lecture entitled "21" Century's Energy: Hydrogen Energy System" At Orleans laboratory of CNRS lecture entitled "Hydrogen Energy System and Research Opportunities in the Combustion and Materials Fields".

Lecturer at the European Space Agency (ESA) Headquarter in Paris lecture entitled "Hydrogen Energy and Opportunities for Space Scientists in its Implementation", and also discussed possible joint projects with the scientists at both CNRS and ESA organizations, 25-29 November 2002.

Invited Seminar Speaker at the Graduate School of the Fatih University, Istanbul. Two lectures entitled "21" Century's Energy: Hydrogen Energy System" and "Energy, Education and Economic Progress," 25 December 2002 - 2 January 2003.

Invited Speaker to the Department of Mechanical Engineering Seminar Series of the Florida International University, giving a talk entitled "21st Century's Energy: Hydrogen Energy System" on Wednesday, 22 January 2003.

Invited lecturer at the Hydrogen Energy Workshop, 10-14 March 2003, Kuala Lumpur, Malaysia, giving the Opening Address entitled "21st Century's Energy: Hydrogen Energy System," at the Opening Plenary Session of the Workshop. And on the 2nd day, giving a paper entitled "Establishing Hydrogen Energy System in Malaysia". On the 3rd day of the

Workshop, he chaired the Workshop Report Committee and drafted the Workshop Report entitled "Planning the Introduction of the Hydrogen Economy in Malaysia". On Friday, 14 March, the Workshop Report was presented to the First Secretary of the Department of Energy.

Invited Lecturer to the Nanyang Technological University, Singapore, 15-18 March 2003. On Monday, 17 March, giving a talk entitled "Hydrogen Energy and its Advantages for Singapore," and discussing the possibilities of joint research projects between the Clean Energy Research Institute of the University of Miami and the Advanced Clean Energy Centre of the Nanyang Technological University.

Invited lecturer at the 2003 International Conference on Innovative Materials, 18-21 March 2003, Shanghai, China, giving the Keynote Address entitled "21st Century's Energy: Hydrogen Energy System". At the Opening Plenary Session, on Wednesday, 19 March 2003, Dr. Veziroglu gave a presentation entitled "Innovative Materials for Achieving the Hydrogen Economy".

Invited by Princeton University to make a presentation at their annual Mica Ertegun Conference, on Friday, 11 April 2003, entitled "Hydrogen Energy System: Permanent Solution to Global Energy and Environmental Problems, as well as another entitled "International Problems Caused by Petroleum".

Invited lecturer at the Hydrogen Economy Conference, 18-22 May 2003, Broome, Australia, which was the kick-off meeting for the initiation of a governmental effort for converting Australia to the Hydrogen Economy and was attended by the Ministers of Resources and Energy, Interior, and Tourism. At the Opening of the Conference, Dr. Veziroglu gave the Keynote Address entitled "21st Century's Energy: Hydrogen Energy System," and on the second day, he gave a talk entitled "Establishing Hydrogen Energy System in Australia". Dr Veziroglu also chaired a Panel Discussion on the Conversion of Australia from the Fossil Fuel System to the Hydrogen Economy. On the third day, Dr. Veziroglu was the guest of the Australian Minister for the Interior, who flew him over the Tidal Energy Basin in Northwest Broome, and discussed the utilization of tidal energy through hydrogen production.

Invited Lecturer at the National Energy Symposium, 23-25 May 2003. Denizli. Turkey, giving the Keynote Address entitled "Energy, Education and Economic Progress," and on the second day of the meeting, making a presentation entitled "Hydrogen Energy: A Permanent Solution to Global Energy-Environmental Problems". Dr. Veziroglu also chaired a panel discussion on the Transition from Fossil Fuels to the Hydrogen Economy.

Invited Lecturer of Turkish Scientific Organizations, 25-29 May 2003, Istanbul. Turkey, and talked to the Mechanical Engineering Society on "Energy, Education and Economic Progress". He also talked to the Science 1884 Foundation on "Hydrogen Energy: Permanent Answer to Global Energy and Environmental Problems" and to the Society of Chemical Engineers on "21st Century's Energy: Hydrogen Energy System".

Invited speaker for the Turkish Hydrogen Energy Week Celebrations 7-12 July 2003. On Tuesday, 8 July, he gave a public lecture at the Istanbul Hilton Conference Center entitled "21st Century's Energy: Hydrogen Energy System"; on Wednesday, 9 July, he gave the Opening Address entitled "Hydrogen Energy System: Permanent Answer to Global Environment-Energy Problems," at the Second National Hydrogen Energy Congress, at the Ankara Hilton Conference Center; On Friday,

11 July, he gave a Seminar on Hydrogen Energy Technologies at the Chamber of Industry in Izmit, Turkey.

Invited speaker at the XII International Materials Research Congress, 17-20 August 2003, Cancun, Mexico. At the Opening of the Congress, on Monday, 18 August, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System and Special Material Requirements". He also participated in the Round Table discussion the last day of the Congress.

Invited speaker at the International Workshop on the Present Status of Hydrogen, 21-22 August 2003, Mexico City, Mexico. At the Opening Session of the Workshop, Dr. Veziroglu gave the Keynote Address entitled "21st Century's Energy: Hydrogen Energy System". In addition, Dr. Veziroglu was a panelist in the Roundtable Discussion on "Research and Development Opportunities in the Emerging Hydrogen Economy," on the second day, at the Final Session of the Workshop.

Invited Lecturer of the Turkish Universities and Professional Societies, 13-18 October 2003. On Tuesday, 14 October, he gave a lecture at the Sabanci University, Istanbul, entitled "Hydrogen Energy System for Sustainability"; on Thursday, 16 October, he gave a lecture at the Society of Mechanical Engineers in Izmir, entitled "21st Century's Energy System"; and on Friday, 17 October, he lectured at the Celal Bayar University in Manisa, on "Permanent Solution to Global and Environmental Problems: Hydrogen Energy System".

Invited Speaker at the United Nations Meeting on Science and Technology for Sustainable Development, Wednesday, 5 November 2003, New York, N. Y. Dr. Veziroglu gave a talk entitled "21st Century's Energy: Hydrogen Energy System" and also participated in the ensuing panel discussion.

Invited Speaker at the Annual Meeting of the United Nations Industrial Development Organization (UNIDO) in Vienna, Austria, 1-5 December 2003. On Thursday, 4 December, he made a presentation entitled "Hydrogen Energy System to Boost the Economies of the Developing Countries".

Invited Speaker at the 4th National Energy Symposium, Ankara, Turkey, 10-11 December 2003. At the Opening of the Symposium, on Wednesday, 10 December, Dr. Veziroglu gave the Keynote Address entitled "21st Century's Energy: Hydrogen Energy System".

Invited Lecturer at the International Workshop on Hydrogen Energy, Delhi, India, 11-13 December 2003. At the Opening of the Workshop, on Thursday, 11 December, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System: Its Advantages to the Indian Economy". On the last day of the Workshop, December 13, Dr. Veziroglu participated in the Panel Discussion on Economic Issues Relating to the Hydrogen Energy System.

Invited Lecturer at the Annual Meeting of the Assembly of Turkish American Associations, Washington, D.C., 30-31 January 2004. Also gave the Keynote Address entitled "Energy, Education and Economic Progress".

Invited Lecturer at the United Nations Industrial Development Organization (UNIDO) Seminar on Small Hydro Power Cooperation among Developing Countries, 16-18 April 2004, Hangzhou, China. At the Opening of the Seminar, gave a special lecture entitled "Synergy between Hydrogen Energy and Small Hydro Power".

Invited Speaker at the 5th International Clean Energy Symposium, 26-28 May 2004, Istanbul, Turkey. At the Opening of the Symposium, on Wednesday 26 May, he gave the Keynote Address entitled "Hydrogen Economy: Clean and Abundant Energy". Dr. Veziroglu also participated at the Round Table discussion at the Closing Session of the Symposium on Friday, 28 May.

Invited Lecturer at the International Conference on Renewable Resources and Renewable Energy: A Global Challenge, 10-12 June 2004, Trieste, Italy. Dr. Veziroglu gave a talk entitled "21st Century's Energy: Hydrogen Energy System". Dr. Veziroglu also participated in the debate on Renewable Resources and Renewable Energy. Participated at the Fuel Cell Summit VII, 15-17 June 2004, University of Miami Convocation Center. Gave the Welcoming Address entitled "The Birth of the Hydrogen Economy at the University of Miami".

Participated at the 15th World Hydrogen Energy Conference, 27 June - 2 July 2004, Yokohama, Japan. At the opening of the Conference on Monday morning, 28 June, Dr. Veziroglu gave the Welcoming Address. In addition, Dr. Veziroglu had six joint papers at the conference, viz., "Hydrogen Civilization – a New Paradigm for the Humankind Life," "Experimental Studies of a Direct Methanol Fuel Cell," "Hydrogen from H2S in the Black Sea," "A Review of Hydrogen Storage Systems Based on Boron and its Compounds," "The Unique Rodriquez-Baker Data on Hydrogen Storage in Graphite Nanofibers Might be True," and "Internal Combustion Engines Fueled by Natural Gas-Hydrogen Mixtures".

Participant at the First Capadoccia Mechanical Engineering Symposium, 14-16 July, 2004, Cappadocia, Turkey. A talk entitled "Industrial revolution and Mechanical Engineering". Presentation entitled "Hydrogen Energy System and Mechanical Engineering Aspects". Two joint papers, viz. "On Micromechanisms of Hydrogen Plastification (Superplasticity) and Embrittlement (Degradation) of some Technologically Important Solids", and " On the Hydrogen On-Board Storage in Graphite Nano-fibers for Fuel Cell-Powered Non-Polluting Vehicles".

Invited speaker at the Annual Meeting of the Princess Islands Sea Club, Istanbul, Turkey, on Sunday, 15 August 2004. Dr. Veziroglu gave a talk entitled "Global Environmental Problems and their Permanent Solution: Hydrogen Economy". After the presentation, there was a Panel Discussion on "Environmental Problems Related to Oceans and their Solutions".

Invited speaker at two meetings, which took place in Sydney, Australia, viz., meeting of the International Steering Committee on Solar-Hydrogen, 22-25 August 2004, and the International Conference on Materials for Hydrogen Energy, 27 August 2004. At the first meeting Dr. Veziroglu presented two papers, i.e., "21st Century's Energy: Hydrogen Energy System" and "Establishing Hydrogen Energy System in Australia". At the second meeting, he gave a talk entitled "Materials for Hydrogen Energy Production, Storage and Utilization". Dr. Veziroglu also participated at the Round Table Discussion: Planning a road map for converting Australia to the Hydrogen Economy.

Invited Speaker at the International Climate Change Conference, 1-3 September 2004, Ankara, Turkey. Keynote Address entitled "Permanent Solution to Climate Change: Hydrogen Energy System". Participant in the debate on Solutions to Climate Change. Debate on Solutions to Climate Change.

Invited speaker at the UNIDO-CII Conference & Green Business Summit on Resource Sustainability & Closing Material Loops, 21-23 September 2004, Hyderabad, India. At the conference, he gave the following two talks, viz., "21st Century's Energy: Hydrogen Energy System" and "Achieving Sustainability through Sustainability Economics". After the conference, Dr. Veziroglu visited Delhi, India, at the invitation of the Ministry of Non-Conventional Energy Sources and discussed the Indian Road Map for Conversion to Hydrogen Economy.

Keynote Speaker at the Energy and World Symposium, 1 October 2004, Hilton Hotel, Istanbul, Turkey. At the opening of the Symposium, he gave the Keynote Address entitled "Forthcoming Hydrogen Civilization: Permanent Solution to Global Problems". Dr. Veziroglu also participated in the Discussion Session at the end of the Symposium.

Invitation to the Energy Seminar organized by the Turkish Asian Centre for Strategic Studies at Kadir Has University, Istanbul, Turkey, 26 October 2004. Dr. Veziroglu gave a lecture entitled "Hydrogen Civilization: Achieving Sustainable Future for Humankind".

Invited speaker at the Energy Symposium of the Istanbul Technical University, 4 November 2004. At the Seminar, Dr. Veziroglu gave a lecture entitled "21st Century's Energy: Hydrogen Energy System and Related Activities in Turkey". He also participated in the Discussion Session at the end of the Symposium.

Invited lecturer at the Naturel 2004 Meeting, 5-7 November 2004, Istanbul, Turkey. At the Energy Session on Saturday, 6 November 2004, Dr. Veziroglu gave a lecture entitled "Reaching a Healthy Environment through Hydrogen Energy System". At the end of the Session, Dr. Veziroglu participated in the Discussion Period.

Invited lecturer at the 7th International Symposium on Next Generation Vehicle Technology, organized by Chonnam National University, Gwangju City, South Korea, 10 December 2004. At the opening session, Dr. Veziroglu presented an invited lecture entitled "Hydrogen Energy and Fuel Cell Powered Vehicles". At the end of the Symposium, Dr. Veziroglu participated in the Panel Discussion on the Next Generation of Vehicle Technologies.

Invited Speaker at the Annual Meeting of the Turkish Association of Chemical Engineers at Marmara University, 18 December 2004, Istanbul, Turkey. A presentation entitled "Hydrogen Civilization: Solving Energy Environmental Problems and Providing Humankind with Higher Quality of Life".

Invited speaker by the Turkish National Petroleum Company in Ankara, Turkey, on Tuesday, 21 December 2004. Dr. Veziroglu gave a presentation entitled "Hydrogen Energy System and Recommendations to Petroleum Companies", and took part in the ensuing Panel Discussion.

Invited speaker by the Turkish Association of the Chemical Engineers to their annual meeting on 18 December 2004, at Marmara University, Istanbul, Turkey. Dr. Veziroglu made a presentation entitled "Hydrogen Civilization: Solving Energy - Environmental Problems and Providing Humankind with Higher Quality of Life".

Invited speaker at the monthly meeting of the Science, Art and Philosophy Academy in Istanbul, Turkey, on Saturday, 8 January 2005. Dr. Veziroglu made a presentation entitled "The Importance of Science and Education for Economical Progress".

Invited speaker at the Faculty of Engineering Seminar of Hacettepe University, Ankara, Turkey, on Thursday, 13 January 2005. Dr. Veziroglu gave a talk entitled "Hydrogen Energy and R&D Needs".

Invited speaker and gave a talk entitled "Hydrogen Energy System: Permanent Solution to Global Energy and Environmental Problems" at the Miami Museum of Science on Tuesday, 18 January 2005. After the presentation, Dr. Veziroglu and the Museum of Science Board Members discussed the possibility of a permanent Hydrogen Energy exposition at the new Museum of Science location in downtown Miami.

Visited IIT Kharagpur, 22-26 January 2005, in connection with the bi-national research project on biological hydrogen production. On Tuesday, 25 January 2005, Dr. Veziroglu gave a lecture entitled "21st Century's Energy: Hydrogen Energy System" to the Faculty of Engineering at IIT Kharagpur.

Invited lecturer at the Banaras Hindu University, Varanasi, India, 26 through 27 January 2005. On Thursday, 27 January 2005, Dr. Veziroglu gave a lecture entitled "Hydrogen Energy System: Permanent Solution to Energy and Environmental Problems" to the Faculty of Science.

Invited speaker at the monthly Seminar of MHP Political Party, Ankara, Turkey, 3 February 2005. Dr. Veziroglu's talk was entitled "Hydrogen Energy System and Benefits for Turkey".

Invited lecturer by the Ministry of Energy of Libya, Tripoli, 12 through 14 February 2005. On Sunday morning, 13 February 2005, Dr. Veziroglu gave a talk entitled "21st Century's Energy: Hydrogen Energy System" at the National Bureau of Research & Development in Tripoli. The same evening, Dr. Veziroglu gave a talk entitled "Solar Hydrogen System for Libya" to the Society of Libyan Engineers.

Invited lecturer at the International Workshop on Business Opportunities for Clean Development, 16-18 February 2005, Istanbul, Turkey. On Friday morning, 18 February 2005, in the Session on New Fuels, Dr. Veziroglu gave a talk entitled "Environmentally Most Compatible Fuel: Hydrogen and Hydrogen Energy System".

Invited lecturer by the University of 7th October Misurata, Misurata, Libya. On Tuesday, 15 February 2005, at the monthly Seminar of the University, Dr. Veziroglu gave a talk entitled "Hydrogen Energy System: Permanent Answer to Global Energy & Environmental Problems".

Invited lecturer by the Sustainable Environment Research Centre (SERC) of the University of Glamorgan, 20 through 23 February 2005. On Monday, 21 February 2005, Dr. Veziroglu gave a talk entitled "Hydrogen Energy System as the Permanent Answer to Global Energy and Environmental Problems and the Business Opportunities". The meeting was attended by the Minister of Economy for Wales, Vice-Chancellor of the University of Glamorgan, and business leaders of Cardiff, as well as by the faculty and graduate students of the University of Glamorgan. Also, Dr. Veziroglu met with the members of the Sustainable Environment Research Centre (SERC) and discussed the possible avenues of research cooperation.

Invited lecturer by the Instituto Superior Técnico, Lisbon, Portugal, 27 February - 2 March 2005. On Tuesday, 1 March 2005, Dr. Veziroglu gave a talk entitled "Hydrogen Energy System and its

Implications for Transportation". Dr. Veziroglu also discussed possible avenues of cooperation with Prof. Rosario Macario of the Transportation Studies Centre of the University.

Invited speaker at the monthly seminar of Feza Gursey Institute of Physics, Istanbul, 17 March 2005. Dr. Veziroglu gave a talk entitled "Unusual Properties of Hydrogen Molecule and Hydrogen Economy".

Invited speaker on Tuesday, 15 March 2005, at the Sisli Rotary Club, Istanbul, Turkey. Dr. Veziroglu gave a lecture entitled "Rising Petroleum Prices and Prospects for Hydrogen Energy".

Invited speaker at the International Conference "Sustainability: The Future of the Business," 17-18 March 2005, Istanbul, Turkey. At the Plenary Session of the Conference, Dr. Veziroglu gave a talk entitled "Business Opportunities in Hydrogen Energy Field".

Invited speaker at the Turkish National Science Foundation Conference "Hydrogen Energy: Is it Real or is it a Dream?," 18 March 2005, Ankara, Turkey. Dr. Veziroglu gave a talk entitled "Hydrogen Energy: It is Real," and participated at the Panel Discussion at the end of the Conference.

Co-Chairman of the Hydrogen is the Future Workshop, 26 March 2005, Sabanci University, Istanbul, Turkey. At the Opening Plenary Session, Dr. Veziroglu welcomed the delegates to the Workshop and talked about the importance of Hydrogen Energy for the World Economy, as well as the Environment. Dr. Veziroglu also chaired the Panel Discussion at the end of the Workshop.

Invited speaker at the monthly Seminar of the International Technology, Economy & Social Research Foundation, Istanbul, Turkey, 31 March 2005. Dr. Veziroglu gave a talk entitled "Conversion to the Hydrogen Energy System: Areas Needing Further Research & Development".

Plenary Session Speaker at the Hydrogen Civilization Conference, 8 April 2005, Ankara, Turkey. At the opening of the conference, he gave a talk entitled "Hydrogen Civilization, Bringing Sustainable Development".

Invited speaker at the 58th Geology Congress, 11-13 April 2005, Ankara, Turkey. At the Opening Plenary Session, on Monday, 11 April 2005, Dr. Veziroglu gave a talk entitled "21st Century's Energy: Hydrogen Energy System and Hydrogen Storage in Geological Formations".

Invited speaker - together with Dr. Sergio Edgardo Acevedo, Governor of Santa Cruz State - to the Argentinean Hydrogen Energy Association Seminar at Pico Truncado, Santa Cruz State, Argentina, on 18 April 2005, attended by the State and Federal Government Dignitaries. Dr. Veziroglu made a presentation entitled "Hydrogen Energy System and Implementation in Argentina". After the Seminar, a Ceremony was held in the nearby village, Koluel Kayke, dedicating a new park to Drs. T. Nejat Veziroglu and Sergio Edgardo Acevedo for their efforts and special contributions to convert Koluel Kayke to the Hydrogen Energy System.

Invited lecturer at the monthly meeting of the Association of Engineers & Architects, 27 April 2005, Bakirkoy, Istanbul, Turkey. Dr. Veziroglu made a presentation entitled "Hydrogen Civilization: Implications for Engineering & Architecture".

Invited lecturer at the "Sustainable Energy Source: Hydrogen" Conference, 4 May 2005, Selcuk University, Konya, Turkey. At the Plenary Session, Dr. Veziroglu gave a talk entitled "Hydrogen Civilization: Possible Pilot Projects for Implementation".

Invited lecturer at the May Seminar of the Turkish World Cultural Center, Istanbul, Turkey, on Saturday, 7 May 2005. Dr. Veziroglu gave a talk entitled "Hydrogen Civilization: Resulting Benefits and Problems Facing the Implementation".

Panelist at the Renewable Energy Sources Round Table Discussion in the live program of Samanyolu TV, Istanbul, Turkey, on Sunday, 8 May 2005. At the Round Table Discussion, Dr. Veziroglu talked about the Hydrogen Energy System and answered the pertinent questions.

Invited lecturer at the 1st World Congress of Young Scientist on Hydrogen, 17-20 May 2005, Turin, Italy. On Wednesday morning, 18 May 2005, at the Opening Plenary Session, Dr. Veziroglu gave a talk entitled "Hydrogen Energy System and Young Scientists".

Invited speaker at the IX Automotive and Suppliers Industries Symposium, 27-28 May 2005, Uludag University, Bursa, Turkey. At the Opening Plenary Session on Friday, 27 May 2005, Dr. Veziroglu made a presentation entitled "Hydrogen Energy System and Transportation". At the Closing Plenary Session on Saturday, 28 May 2005, he was a panelist at the Panel on "Automotive Industry Policies for Entry into the European Union", and presented a road map for the transformation of transport industry to Hydrogen Energy.

Presented with the Fair Play Award of the Year 2004 by the President of the Turkish National Olympics Committee in their annual Award Ceremony on Thursday, 26 May 2005, at the Olympiad House, Istanbul, Turkey.

Invited lecturer at the 8th Baku International Congress on Energy Ecology Economy, 30 May - 2 June 2005, Baku, Azerbaijan. At the Opening Plenary Session, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System and UNIDO-ICHET activities

Invited lecturer at the New and Renewable Energy Sources Symposium, 2-4 June 2005, Kayseri, Turkey. Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System and a Road map for Turkey for conversion to Hydrogen Economy".

Invited lecturer at the IV Solar Energy Institute Renewable Energy Symposium and Exhibition, 9-10 June 2005, Izmir, Turkey. Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System and Pilot Projects for Implementation".

Invited speaker at the Hydrogen Energy Symposium, Istanbul Hilton Hotel, 11 June 2005, Istanbul, Turkey. At the opening of the Symposium, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System: Environmental and Economical Benefits".

Interviewed by Prof. Dr. Siddik Yarman on "Hydrogen Energy System and the Implications for Turkey", on his Technological Advances Program at the Technology TV Channel, Sunday, 2 July 2005, Istanbul, Turkey.

Invited speaker at the monthly Seminar of TEMA Foundation for Fighting Land Erosion and Deforestation, on Wednesday, 6 July 2005. Dr. Veziroglu gave a talk entitled "How Hydrogen

Energy System Could Solve Environmental Problems Including Land Erosion and Deforestation?"

Invited speaker at the European Fuel Cell Forum, Friday, 8 July 2005. In the morning Plenary Session, Dr. Veziroglu made a presentation entitled "21st Century's Energy: Hydrogen Energy System" and then participated in the Round Table Discussion comparing Hydrogen Energy System with a possible all Electrical System.

Interviewed by the Television Channel TGRT on Hydrogen Energy and Implications for Economic Development and Environmental Protection, Sunday, 10 July 2005, Istanbul, Turkey.

Invited speaker at the Portland International Conference on Management of Engineering and Technology, 31 July-4 August 2005, Portland, Oregon, U.S.A. At the Plenary Session on Wednesday morning, 3 August 2005, he gave a talk entitled "Hydrogen Civilization".

Invited lecturer at the Federal University of Rio de Janeiro, Brazil, on Monday, 15 August 2005. Dr. Veziroglu gave a lecture entitled "21st Century's Energy: Hydrogen Energy System". In addition, he met with the Director of the Hydrogen Laboratory, their researchers and representatives from industry, and discussed the ways and the means of possible cooperation for the dissemination of the Hydrogen Energy Technologies, as well as a Hydrogen Energy Pilot Project for Rio de Janeiro.

Invited speaker by the Ministry of Cities in Brasilia, Brazil, on Friday, 12 August 2005. Dr. Veziroglu gave a talk entitled "Hydrogen Energy System and Implications for Brazil". In addition he met with the Minister for Cities, the Secretary of State and the Engineering Staff of the Minister of Cities and discussed the introduction of hydrogen-fuelled public transportation in Brazilian cities, as well as a Hydrogen fuelled bus project.

Invited Lecturer at the International Forum for Social Sciences and Health (IFSSH) World Congress, Yeditepe University, Istanbul, Turkey. On Tuesday, 23 August 2005 at the Plenary Session III, Dr. Veziroglu gave a talk entitled "Hydrogen Energy System: Permanent Solution to Health Problems Caused by Fossil Fuel Utilization".

Invited Lecture at the 1st International Symposium and Exhibition on Environment - Friendly Energy Sources and Technology, 4-5 September 2005, Cesme, Izmir, Turkey. At the Opening Plenary Session, on Monday, 5 September 2005, he gave the Keynote Address entitled "Hydrogen Civilization and UNIDO-ICHET Activities".

Invited Lecture at the 15th National Heat Transfer Fundamentals and Technologies Congress, 6-7 September 2005, Karadeniz Technical University, Trabzon, Turkey. At the Opening Plenary Session, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System and Pilot Projects". He has also participated in the Panel Discussion on "Renewable Energy Sources and Their Utilization".

Invited Lecture at 2005 World Physics Year International Physics Congress, 12-13 September 2005, Mugla University, Mugla, Turkey. At the Opening Plenary Session, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System and UNIDO International Centre for Hydrogen Energy Technologies".

Invited Lecture at the Automotive Research Center Seminar, Friday, 23 September 2005, at the Istanbul Technical University, Istanbul, Turkey. Dr. Veziroglu gave a lecture entitled "Hydrogen Energy System and UNIDO-ICHET Activities".

Honorary Chairman of the World Hydrogen Technologies Convention, 1-5 October 2005, Singapore. At the Opening Plenary Session on Monday, 3 October 2005, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System and its Implementation".

Invited Lecture at the Gebze Association of Industrialists and Businessmen Seminar on Hydrogen Energy, 26 October 2005, Gebze, Izmit, Turkey. Dr. Veziroglu gave a talk entitled "Hydrogen Energy and Pilot Projects".

Conferred with the Call to World Peace from the Universal Brotherhood Award for his valuable contributions to World Peace and the future of Humanity with his research on clean energy as an alternative to fossil fuels by the Mevlana Supreme Foundation at their Annual Awards Meeting held on Tuesday, 1 November 2005, Istanbul, Turkey.

Invited Lecture at the 2nd 2005 International Forum on Clean Fuel Cell, Mokpo City, South Korea, 8 November 2005. At the Opening Plenary Session, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System and Implementation Activities". In the Closing Plenary Session, Dr. Veziroglu participated in the Roundtable Discussion. Also, Dr. Veziroglu had a working luncheon with Dr. Joon Yung Park, Governor of Jeollanamdo Province, and made recommendations to the Governor for establishing Hydrogen Energy Pilot Projects in his Province.

Invited Lecture at the Energy & Environment Group Meeting of the ROK (Republic of Korea) Parliament Members and Industrialists, Seoul, South Korea, 10 November 2005. He gave a talk on Hydrogen Energy System and made recommendations for the introduction of Hydrogen Energy Technologies in South Korea.

Conferred with "Doctor Honories Causa" by the Senate and the President of Osmangazi University, Eskisehir, Turkey, for his contributions to Hydrogen Energy on Monday, 28 November 2005. In response, Dr. Veziroglu made a presentation on the history of the hydrogen energy system concept and the future possibilities for the faculty and students of the Osmangazi University.

Invited Lecture at Middle East Forum on Fuel Cells and Hydrogen Economy (MEFH), 6-7 December 2005, Dubai, U.A.E. On 7 December 2005, Dr. Veziroglu gave a talk entitled "Hydrogen Economy Implementation and UNIDO-ICHET".

Invited Lecturer at the Kultur University, Istanbul, Turkey. On Wednesday, 14 December 2005, Dr. Veziroglu gave a talk entitled "Hydrogen Energy System and UNIDO-ICHET Activities.

Invited Speaker at the Water Foundation Seminar, Istanbul, Turkey, 29 December 2005. Dr. Veziroglu gave a talk entitled "21st Century's Energy: Hydrogen Energy Seminar & UNIDO-ICHET Activities," Istanbul, Turkey.

Honorary Chairman of the Hydrogen Technologies for Energy Production (HTEP) International Forum, organized as an official event within the framework of Presidency of the Russian Federation in G8 2006 Summit, 6-10 February 2006, Moscow, Russia. At the Opening of the International Forum, Dr. Veziroglu gave the Keynote Address entitled "21st Century's Energy: Hydrogen Energy System". At the meeting, Dr. Veziroglu was presented with a Plaque for contributing to the development of Hydrogen Energy.

Invited lecture at the invitation of the Mayor of the Greater Izmit Municipality on Hydrogen Energy and Applications, to the Municipal Officials, on Thursday, 16 March 2006, Izmit, Turkey.

Invited Speaker at the Nigde University for a presentation entitled "Hydrogen Energy System and Demonstration Projects," spoke to the Nigde Industrialists, University faculty and students, Tuesday, 11 April 2006, Nigde, Turkey.

Invited speaker at the VI National Clean Energy Symposium, 25-26 May 2006, Suleyman Demirel University, Isparta, Turkey. At the Opening Plenary Session on Thursday morning, 25 May 2006, Dr. Veziroglu gave a lecture entitled "Conversion to Hydrogen Energy System from Fossil Fuel System During 21st Century.

Invited Lecture entitled "Hydrogen Energy System and Implementation" at the Opening Plenary Session of the International Advanced Course on Renewable Energies on Monday, 5 June 2006, at ISKI Conference Center, Ikitelli, Istanbul, Turkey.

Invited Lecture entitled "Hydrogen Energy System and Demonstration Projects for Istanbul" to the architects, engineers and planners at the Istanbul Metropolitan Planning Authority (IMPA) on 8 June 2006, in Tepebasi, Istanbul, Turkey.

Invited Lecturer at the 16th World Hydrogen Energy Conference (16 WHEC), Lyon, France, 13-16 June 2006. As the Honorary Chairman of the Conference, Dr. Veziroglu gave the Opening Address entitled "Hydrogen Energy Progress and Implementation" at the Opening Plenary Session on Tuesday, 13 June 2006. Dr. Veziroglu also chaired the International Association for Hydrogen Energy (IAHE) Board of Directors Meeting on Tuesday, 13 June 2006, and the IAHE Advisory Board Meeting on Wednesday, 14 June 2006.

Invited Speaker at the East Meets West Conference, 21-22 June 2006, Istanbul, Turkey. Dr. Veziroglu gave an invited talk entitled "Hydrogen Energy System and Implementation" at the Energy Session on Thursday, 22 June 2006. Dr. Veziroglu also took part in the Panel on Renewable Energy Sources.

Invited Scientist at the PICMET (Portland International Center for Management of Engineering and Technology)'06 Conference, 10-13 July 2006, Hyatt Regency Hotel, Istanbul, Turkey. At the Awards Banquet on Tuesday, 11 July 2006, Dr. Veziroglu was presented with the PICMET Medal of Excellence for Outstanding Contributions to Science, Engineering and Technology Management. On Wednesday, 12 July 2006, Dr. Veziroglu gave the Keynote Address entitled Hydrogen Energy System and Sustainability.

Honorary Chairman of the Third National Hydrogen Energy Congress, 17 July 2006, Istanbul, Turkey. At the Opening Plenary Session, he gave the Keynote Address entitled "World Energy Crisis and Permanent Solution: Hydrogen Economy".

Invited Lecturer at "The New Energy Politics in the Next Millennium" Conference, 28-31 July 2006, Yalova, Turkey. On Saturday, 29 July 2006, Dr. Veziroglu gave a talk entitled "Growing Economic Gap between Industrial and Developing Countries, and the Role of Hydrogen Economy to Close the Gap".

Invited Guest at the Energy Program of TV Channel "Haber 7," Istanbul, Turkey, on Thursday, 3 August 2006. He talked about the benefits and advantages of the Hydrogen Energy System for all countries of the world

Invited Guest at the Ozlem Gurses' Current Happenings Program of TV Channel "Haber Turk," Istanbul, Turkey, on Friday, 4 August 2006. He explained the Hydrogen Energy System as a permanent and sustainable solution to the depletion of fossil fuels and the environmental problems caused by their utilization.

Invited Speaker at the NATO Advanced Research Workshop entitled "Assessment of Hydrogen Energy for Sustainable Development: Energy & Environmental Security", 7-10 August 2006, Istanbul, Turkey. On Monday, 7 August 2006, Dr. Veziroglu gave the Keynote Address entitled "21st Century's Energy: Hydrogen Energy System". On Thursday, 10 August 2006, together with Dr. Carl-Jochen Winter, he co-chaired the Round Table Discussion entitled "International Cooperation on Energy and Environmental Security through Hydrogen Economy".

Honorary Chairman of the First International Congress for Alternative Energy and Ecology (WCAEE-2006), 20-26 August 2006, Volga, Nizhny Novgorod, Russia. On Monday, 21 August 2006, at the Opening Plenary Session, Dr. Veziroglu gave the Keynote Address entitled "Hydrogen Energy System: Permanent Solution to Energy and Environmental Problems". On Tuesday, 22 August 2006, at the Kazan Technopark, Tatarstan, Dr. Veziroglu gave a talk entitled "Hydrogen Energy Technologies and R&D Needs". On Friday, 25 August 2006, Dr. Veziroglu co-chaired the Closing Session of the Congress and summed up the achievements.

Invited address entitled "21st Century's Energy: Hydrogen Energy System" at the Opening Plenary Session of the 11th Conference for Computer Aided Engineering and System Modeling, 12-14 September 2006, Abant, Bolu, Turkey. Dr. Veziroglu also took part in an after-dinner Panel Discussion and answered questions regarding Hydrogen Energy.

Keynote Lecturer at the First International Hydrogen Energy Forum, 8-11 October 2006, Budapest, Hungary. On Monday, 9 October 2006, at the Opening Plenary Session, Dr. Veziroglu gave the Keynote Address entitled "21st Century's Energy: Hydrogen Energy System".

Invited Speaker by Bahcesehir University, Istanbul, Turkey, for their Public Lectures Series, Saturday afternoon, 11 November 2006. Dr. Veziroglu gave a lecture entitled "Hydrogen Energy System and Implementation".

Invited Participant at the UNIDO 40th Anniversary Celebrations, 27-29 November 2006, Vienna, Austria, and took part in the Panel Discussion on Poverty, Energy and Environment, chaired by Todd Benjamin of CNN. At the panel, Dr. Veziroglu explained that under the Hydrogen Energy System, each country would be able to produce the fuel it needs, i.e. hydrogen, to energize its

economy while keeping its environment clean. This would eliminate poverty while establishing a clean and sustainable energy system.

Presented with the Strategic Visionary Scientist Award by Turkish Asia Strategic Studies Centre "TASAM", on Tuesday, 12 December 2006, in Istanbul, Turkey. In receiving the Award Dr. Veziroglu made a short presentation on Hydrogen Energy System

Invited talk entitled "Hydrogen Energy System and Pilot Projects" at the Economy and Social Research Centre, Ankara, Turkey, on Wednesday, 20 December 2006.

Live interview on Cem T.V., Istanbul, Turkey, on the topic of Conversion to Hydrogen Energy System from the Present Fossil Fuel System, on Saturday, 23 December 2006.

Invited Speaker at the Monthly Seminar of the Turkish War Colleges, 7 March 2007, Istanbul, Turkey. He gave a talk entitled "Hydrogen Energy System: Permanent Solution to the Depletion of Fossil fuels and Global Environmental Problems".

Invited Speaker at the monthly meeting of Koc Holding Companies. He gave a talk entitled "Hydrogen Energy System: Permanent Solution to Global Warming" to the administrators and engineers of Koc Holding Companies in Aygaz Headquarters, Istanbul, Turkey, April 2007.

Invited Speaker at the monthly meeting of Afyonkarahisar Education Foundation, 17 April 2007, Istanbul, Turkey. He gave a talk entitled "Hydrogen Energy System: Permanent Solution to Global Warming".

Interviewed by the Sun TV on the topics of Global Warming and Hydrogen Energy System on Wednesday, 18 April 2007; gave a lecture entitled "Hydrogen Energy System as a Solution to Global Environmental Problems" to the faculty and students of Gaziosmanpasa University on Thursday, 19 April 2007, and made a luncheon presentation on Hydrogen Energy to the Governor and Mayor of Niksar, Tokat, and the officials of the Governor's and Mayor's Offices on Friday, 20 April 2007.

Invited lecturer at the 13th International Conference on Emerging Nuclear Energy Systems, 3-8 June 2007 (ICENES 2007), Istanbul, Turkey. On Monday, 4 June, at the Plenary Session, he made a presentation entitled "Complementary Nature of Hydrogen Energy and Nuclear Energy".

Invited Lecturer at the International Symposium on Nanotechnology in Environmental Protection and Pollution, 11-13 December 2007, Fort Lauderdale, Florida. At the Opening Plenary Session, Dr. Veziroglu made a presentation entitled "Hydrogen Energy and Nanotechnology".

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