

GEORGE TSATSARONIS

Title: BEWAG Professor of Energy Engineering and Environmental Protection

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Degrees: Habilitation (M.E. - Thermoeconomics),
Technical University of Aachen (RWTH Aachen), Germany 1985
Ph.D. (M.E. - Combustion) - Technical University of Aachen, Germany 1977
MBA (Business Admin.), Technical University of Aachen, Germany 1976
Diploma (M.E.), National Technical University of Athens, Greece 1972

Summary of Experience:

Over forty years of experience and related educational background in the fields of combustion technology, exergy-based methods, development, design, simulation and analysis of energy-conversion processes, optimization of the design and operation of energy systems, and power plant technology. Principal investigator of research projects sponsored by the U.S. Department of Energy, the U.S. Electric Power Research Institute, the German Research Foundation, the European Union, three German Ministries as well as various other organizations, engineering companies, and electric utilities. Over forty years of teaching experience.

Experience:

1994 - present Professor, Institute for Energy Engineering, Technical University of Berlin, Germany. (1996-2005 Managing Director of the Institute; 2002-2003 Associate Dean, School of Process Sciences and Engineering)

1986 - 1994 Professor of Mechanical Engineering, Center for Electric Power (Center of Excellence), Tennessee Technological University, Cookeville, Tennessee, U.S.A.

1982 - 1986 Research (Full) Professor, Energy and Environmental Engineering Center, Desert Research Institute, Reno, Nevada, U.S.A.

1978 - 1982 Senior Staff Member and Lecturer, Institute of Thermodynamics, Technical University of Aachen (RWTH), Germany.

1977 - 1978 On leave from the Technical University of Aachen, Germany for military service (nine months) in the Corps of Engineers in Greece.

1973 - 1977 Research Associate and Lecturer at the Institute of Thermodynamics, Technical University of Aachen, Germany. (September - December 1975:

Research work at the Department of Fuel and Combustion Sciences,
University of Leeds, Great Britain.)

- Societies:** Life Fellow, American Society of Mechanical Engineers (ASME)
Past member of the ASME Advanced Energy Systems Division Executive
Committee
Past Chairman of the ASME Systems Analysis Technical Committee
Member, Greek Society of Engineers
Chairman (1998 - 2001) and member (since 2004) of the Executive
Committee of the International Centre for Applied Thermodynamics
- Awards:** First prize in the Pan-Hellenic competition in Mathematics among High
School students organized by the Greek Mathematical Society (June, 1967).
Borchers Award (based on the Ph.D. Thesis) of the Technical University of
Aachen, Germany (October, 1977).
Edward F. Obert Best Paper Award, ASME (November 1994).
James Harry Potter Gold Medal, American Society of Mechanical Engineers
(November, 1998).
Edward F. Obert Best Paper Award, ASME, (November, 1999).
Co-author of a paper awarded the Best Student Paper Award for the 2006
Symposium on Thermodynamics and the Design, Analysis and Improvement
of Energy Systems, Advanced Energy Systems Division of ASME (November
2007).
Calvin Rice Lecture Award, ASME, (November 2008)
- Honors:** Doctoris Honoris Causa, Polytechnic University of Bucharest, (March, 2004)
Guest Professor, Zhejiang University of Technology, China (October 2002)
Honorary Professor, North China University of Electric Power, 1997
Who's Who in the World (since 1992)
Who's Who in Science and Engineering (since 1993)
Who's Who in the South and Southwest (1991 and 1993)
- Honorary Editor:** International Journal of Thermodynamics, International Centre for
Thermodynamics (2003–present)
- Associate Editor:** Energy, The International Journal, Elsevier Science Ltd. (1986-present)
Journal of Energy Resources Technology, Transactions of ASME (1988-
1995)
Energy Conversion and Management, Elsevier Science Ltd. (1995-present)
International Journal of Applied Thermodynamics, International Centre for
Applied Thermodynamics (1998-2002)
International Journal of Energy Technology and Policy, Inderscience
Enterprises Ltd. (2002-present)
International Review of Mechanical Engineering, Praise Worthy Prize (2007-
present)
- Summary of Publications:**
- One book, eight chapters in seven books, eight articles in encyclopedias,
guest editor of four journal special issues, two dissertations, over 100 journal
publications, over 180 conference proceedings publications, 27 technical
reports, and over 300 presentations at national and international meetings
and seminars. Co-Editor of 22 bound volumes.