

PROFESSIONAL SUMMARY

Dr. A. J. Ferrante was born in Buenos Aires, Argentina, in October 14, 1938. He now lives in Monza, Italy, and Rio de Janeiro, Brazil, and holds both Italian and Argentine passports. He first graduated from the School of Engineering of the University of Buenos Aires in 1965, with the degree of Mechanical Engineer. Later he obtained a Master of Sciences in Civil Engineering degree, in 1967, and a Philosophy Doctor in Civil Engineering degree, in 1969, from the Massachusetts Institute of Technology.

During most of his professional career Dr. A. J. Ferrante has been a researcher/Professor and an engineering consultant. From 1964 to 1969 he was successively Research Assistant, Instructor, Research Engineer and Research Staff Member at the Massachusetts Institute of Technology. From 1969 to 1972 he was Assistant, Associate and Full Professor at the University of Buenos Aires. From 1973 to 1976 he was Full Professor at the Federal University of Rio Grande do Sul and from 1976 to 1995, Professor of the Engineering Research and Post-graduate Center (COPPE) of the Federal University of Rio de Janeiro. He was also a visiting Professor at the Central University of Venezuela, in 1979, and at the University of California, Irvine, in 1980, and visiting Professor at the Wessex Institute of Technology, Southampton, UK, since 1992.

Dr. Ferrante has been very active in engineering consulting. From 1967 to 1970 he was consultant for Engineering Computer International, of Cambridge, Mass., Keto Soosaar and Associates, of Belmont, Mass, and the Instrumentation Laboratory of the Massachusetts Institute of Technology, of Cambridge, Mass, working for the NASA Agency. Later he was consultant to the Argentina State Secretary for Hydraulic Resources in 1972 and was technical consultant to UNESCO, United Nations, for the project UNDP BRA /73/005/A01/13: "Provision of High Level Consultancy Services to advice of Implementation of National Postgraduate Training Program in Engineering", for the Ministry of Education and Culture of Brazil, from 1973 to 1974. From 1976 to 1995 he was consultant to PETROBRAS S/A, the Brazilian Oil Company, in numerical and computational methods for Offshore Engineering. He developed several projects related to implementation of computational systems used for the design of most of the Brazilian offshore structures. He has been consultant to T.P.L., of Rome, Italy, for the design of 5 offshore platforms in the South Pars Field, Iran, to Malaysia Mining Corporation, of Kuala Lumpur, Malaysia, for the spectral fatigue analysis of a vent boom, to Oceans Engineering, UK, for the analysis of offshore wind energy generation mono-piles, to Seacore, UK, for jack-up analysis, to Bechtel Corporation, Houston, for the implementation of an Australian design code procedure, to Elasm Engineering, Denmark, for the application of offshore analysis techniques for analysis and design wind energy towers, and to many other engineering companies. He was also consultant for the structural analysis and repair of the Ex-Convent of Lauro, Italy, a historical building constructed in the 1700's and badly damage by the 1982 earthquake. He is founder and partner of STRUDL Europe srl of Milan, Italy, STRUDL (UK) Limited of Cambridge, UK, and ISC Internacional de Rio de Janeiro, Brazil, companies dedicated to the solution of engineering problems using computers.

Dr. A. J. Ferrante has also written 16 books on different engineering subjects. Some of them are "Computational Methods for the Solution of Engineering Problems". Pentech Press, London (5 Editions in English and Japanese) London, "Offshore Engineering", Pentech Press, London, 10 volumes from 1978 to 1994, "Computational Hydraulics". Pergamon Press, 1982, "Computer Graphics for Engineers and Architects", Elsevier and Computational Mechanics Publications, Southampton, 1990, "Information Technology for the 21st Century: Managing the Change", CML Publications, Southampton, 1996.

He has also published more than 150 technical papers in technical journals, congresses, conferences and symposia, held in Argentina, Brazil, Chile, Great Britain, Holland, Italy, Japan, Mexico, Spain, USA, Uruguay and Venezuela, has supervised 2 engineering theses, 27 Master of Science in Engineering theses and 7 Doctor of Science in Engineering theses, and has presented more than 100 conferences, invited lectures and short courses in Argentina, Brazil, Chile, Cyprus, Denmark, Egypt, France, Great Britain, Greece, Indonesia, Holland, Italy, Malaysia, Portugal, Qatar, Spain, Switzerland, Thailand, Turkey, Uruguay, United Arab Emirates, USA and Venezuela. He is also member of the editorial board of 7 International technical Journals

Dr. A. J. Ferrante was the winner of the "Dr. Casimiro Lana Sarrate" award for outstanding achievements in Engineering, Argentina-USA University Association (AUANA), Buenos Aires, Argentina, 1973. Was named Outstanding Young Engineer of 1973, by the IX Selection Committee of the Junior Chamber of Buenos Aires, Argentina, and was the winner of the Diploma in Science and Technology, KONEX Foundation, Buenos Aires, Argentina, 1983. He was also named member of the "The Society of the Sigma XI", dedicated to the promotion of scientific research, Massachusetts Institute of Technology, Cambridge, Mass., 1966, and of the "Chi Epsilon Society", honorary society of Civil Engineers, Massachusetts Institute of Technology, 1968.