

P. Aarne Vesilind

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Following his undergraduate degree in civil engineering from Lehigh University, Vesilind received his Ph.D. in environmental engineering from the University of North Carolina in 1968. He spent a post-doctoral year with the Norwegian Institute for Water Research in Oslo where he developed a laboratory test for estimating the performance of dewatering centrifuges, and a year as a research engineer with Bird Machine Company. He joined the faculty at Duke University as an Assistant Professor of Civil Engineering in 1970. In 1999 he retired from Duke, and was appointed to the R. L. Rooke Chair of the Historical and Societal Context of Engineering at Bucknell University. He retired from Bucknell in 2006 and is now working on his third retirement.

In 1976-77 he was a Fulbright Fellow at the University of Waikato, Hamilton, New Zealand, and in 1991-92 he was a National Science Foundation Fellow at Dartmouth College. He served as the chair of the Department of Civil and Environmental Engineering at Duke University for seven years and was twice elected by the School of Engineering faculty to chair the Engineering Faculty Council. He's a former trustee of the American Academy of Environmental Engineers, a past-president of the Association of Environmental Engineering Professors, a Fellow of the American Society of Civil Engineers, and a registered Professional Engineer in North Carolina. He is the recipient of the Collingwood Prize, awarded by the American Society of Civil Engineers.

His primary technical research interest has been the management and disposal of wastewater sludge. In addition to numerous technical articles in this field, the book *Treatment and Disposal of Wastewater Sludge*, originally published in 1973, continues to be the only text in the field. It is now being revised and broadened, and is under contract for publication in 2007. A more recent publication is a compendium of papers on sludge management, entitled *Sludge to Biosolids* (co-authored with Ludovico Spinosa) and published by the International Water Association. One of his recent projects was to convert the Water Environment Federation Manual of Practice No. 8, *Wastewater Treatment Plant Design* into a textbook suitable for use in a wastewater treatment plant design course.

A second research interest has been municipal solid waste management, especially the recovery of energy and materials from refuse. A textbook on this topic, *Solid Waste Engineering* (2002), Brooks/Cole Publishing, co-authored with Bill Worrell and Debra Reinhart, has found wide use in engineering schools.

More recently, Vesilind has been active in the field of professional ethics, especially in relating environmental ethics to the engineering. His books in this area include: *Introduction to Environmental Engineering* (1998) which incorporates ethics into an undergraduate environmental engineering course (now in its second edition, co-authored with Susan Morgan), *Engineering, Ethics and the Environment* (1999) co-authored with Alastair Gunn and published by Cambridge University Press, and *Hold Paramount: The Engineer's Responsibility to Society* (2003) co-authored with Alastair Gunn and published by Wadsworth Publishing. His latest books include *The Right Thing To Do*, a short text on professional ethics for freshman engineering students, and *Peace Engineering*, a compendium of essays on alternative careers for young engineers, both published by Lakeshore Press. His most recent book is *Socially Responsible Engineering*, co-authored with Dan Vallero and published by John Wiley & Sons.

Other textbooks for engineering students include *Public Speaking and Technical Writing Skills for Engineering Students*, soon to appear in its second edition (Lakeshore Press) and *So You Want to Be a Professor?*, a guide to graduate students considering academic careers, published by Sage Publications in 2000.