

**Dr. David B. Spencer**

*Chairman, wTe Corporation*

Dr. David Spencer founded wTe Corporation in 1981 and served as its CEO for 27 years, now serving as Chairman and CTO. wTe is a \$100 Million privately held technology company focusing on recycling of metals and plastics. Educated at Lafayette College (B.S. 1967) and MIT (Sc.D. 1971), he invented the Rheocasting® / Thixocasting® processes as part of his doctoral thesis, a new casting technology deployed worldwide for high performance metal castings. Prior to forming wTe, Dave was a co-founder of Raytheon Corporation's Resource Recovery Business where from 1971-1981 he managed the development and operation of large 1000-2000 ton per day resource recovery and recycling technologies producing energy and recovering materials from municipal solid waste and sewage sludge. At wTe he developed novel plastics recycling projects for PET, polystyrene, polyethylene and poly-vinyl chloride working for the world's largest petroleum and plastics producers. wTe is focused on ownership and operation of recycling facilities for metals and plastics. Its UltePET® operations are ranked among the largest recycled PET re-claimers in the world turning old bottles into new for companies such as Coke and Pepsi. Its automobile shredding and metal recycling operations are ranked among the largest in New England. With funding from the NSF SBIR program, NIST ATP and NIST TIP programs the company has been developing patented high-speed automated metal sorting technologies, called Spectramet® and Melt Cognition®, to automatically sort metals by type in milliseconds.

Dave was nominated for Entrepreneur of the Year by Arthur Young and Venture Magazine in 1988 and was selected as a Finalist for Entrepreneur of the Year in 1990 by Ernst & Young, *Inc. Magazine* and Merrill Lynch. He served on the editorial board of Elsevier Press' *Journal of Solid Waste Management* and authored over 60 technical papers including the Recycling Chapters of McGraw-Hill's award-winning *Handbook of Solid Waste Management*. He serves on the Board of Directors of several privately held companies, and also serves on the NSF AdCom for the SBIR Program. He served on NSF's AC/GPA for five years -- the highest level AdCom within NSF assessing overall agency performance, the last two years as Chair. In 2011 he was appointed to serve on the NSF Engineering Directorate AdCom and in 2012 he was asked to serve as Co-chair of the Committee of Visitors for the Manufacturing Division of the Engineering AdCom. Recently Dave was also appointed to serve a second three year term on the Executive Committee of the Government University Industry Research Roundtable (GUIRR) which is an outgrowth of the National Academies of Science, Engineering and Medicine. Most recently he was elected "Honorary Member" of ASM International "in recognition of distinguished service to the materials science and engineering profession, to ASM International and to the progress of mankind for an outstanding career in invention and entrepreneurship in materials manufacturing and recycling and for dedicated governmental service in promoting effective government-industry collaborations."

Dave is a member of several honorary and professional organizations including Tau Beta Pi, Sigma Xi, Sigma Mu, ASM International, TMS, AIME, among others.