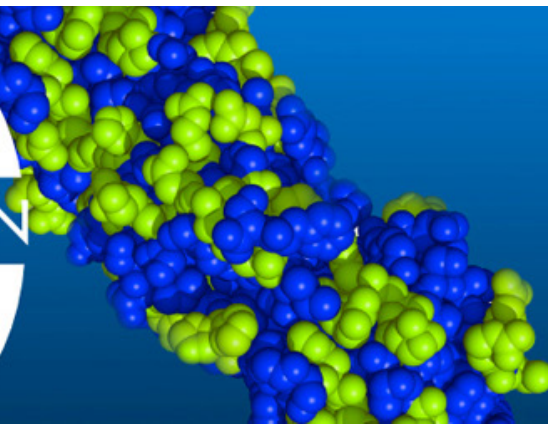


# 100 YEARS OF INNOVATION



## ALUMNI SPOTLIGHT

James B. Dunson '61M spent his 43-year career developing alternative waste management solutions for the chemical and energy industry.

Now retired from DuPont Engineering Research and Technology as a specialist in process simplification for pollution prevention, he guided the adaptation of chemical and biological processes for simpler chemical processing and emission minimization and abatement.

He holds U.S. and foreign patents on titanium tetrachloride purification, chlorine recovery, dioxin minimization, flue gas desulfurization, dust and mist collection, odor improvement and production of bio-based chemicals such as ethanol fuel.

Jim worked with a variety of domestic and international fossil fuel and renewable resource plants to develop alternative treatments for aqueous hazardous waste, wastewater, odors, underground harvesting through smokestack cleaning and conversion of nuclear waste to geologically stable synthetic rock.

Additionally, from 1985-1988 he returned to his alma mater as an adjunct professor of chemical engineering for senior design at the University of Delaware.

A member of the American Institute of Chemical Engineers, he has published articles on chemical engineering education, odor control and dust collection, and co-edited the seventh and eighth editions of Perry's Chemical Engineers' Handbook, Chapter 17: "Gas-Solids Operations and Equipment."