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Edmund (Ted) Carnahan is a Research Fellow in Performance Plastics R&D at The Dow Chemical Company. He received a bachelor's degree in chemistry from Cornell University in 1987 and a Ph.D. in inorganic chemistry from the Massachusetts Institute of Technology in 1991. Following a post-doctoral assignment at Harvard University, he joined the Research Division of W. R. Grace & Co. as a research chemist. Here he investigated the organometallic chemistry of silica, leading to an interest in supported catalysts. In 1996 he joined the Dow Chemical Company as a senior scientist. His research has covered many aspects of olefin polymerization catalysis for solution, slurry, and gas-phase processes. In recent years, his focus has been on using the kinetics of olefin polymerization to manipulate polymer microstructure and provide products with new and valuable combinations of properties. This work includes the discovery of routes for the catalytic synthesis of novel olefin-block copolymer families commercialized by The Dow Chemical Company as INFUSE™ Olefin Block Copolymers and INTUNE™ OBCs. Carnahan is the recipient of the 2008 Gordon E. Moore Medal and the 2016 ACS Award in Polymer Chemistry. He is an inventor on 44 US patents and has published and presented more than 40 papers in the fields of catalysis, organometallic chemistry and polymer science.

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