



David Furrer
Principal Fellow, Discipline Lead
Pratt and Whitney

Biography: David Furrer is the Principal Fellow, Discipline Lead for the Materials and Processes Engineering Discipline within Pratt & Whitney. He is responsible for guiding the Pratt & Whitney Materials Discipline Chiefs and Fellows in the development of technical strategies, and the development and evolution of engineering standard work for all processes within the discipline. David also supports new material design, development, and production transition programs, including efforts related to manufacturing, aftermarket, and service investigation initiatives. He is also involved with new and emerging manufacturing process development and their transition into production. He champions materials and processes data management and analytics, and computational materials modeling technologies aimed at increasing the speed and fidelity of material and process development, definition and deployment. Additionally, he oversees overall discipline health, including critical skills identification and integrated growth opportunities.

He has over 30+ years of experience in the areas of aerospace materials engineering, including forging manufacture, and materials and process modeling. In addition to previously working within the aerospace and forging industries, he has been an adjunct professor at the Milwaukee School of Engineering, where he taught materials and manufacturing engineering courses within the Mechanical Engineering Department.

He received his Bachelor's and Master's Degrees in Metallurgical Engineering from the University of Wisconsin-Madison, and a Doctorate of Engineering from the Universität Ulm, Ulm Germany. David is a Fellow and Past President of ASM-International, the Materials Information Society, Fellow of TMS, the Minerals, Metals and Materials Society, and is a member of the Connecticut Academy of Science and Engineering (CASE), and the National Academy of Engineering (NAE).