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Brad Cowles is currently the Sr. Discipline Fellow for Materials & Processes Engineering, Pratt & Whitney, and also serves as deputy director for that organization. The Materials & Processes Engineering organization at P&W is a full service materials and processes organization specializing in gas turbine engine materials and processes, including all phases of their development, characterization, and utilization in products.

Mr. Cowles has extensive experience in titanium and nickel based superalloys, including directionally solidified and single crystal materials, as well as advanced materials such as structural intermetallics. He has expertise in mechanics of materials and life prediction methods, as well as experimental methods related to testing of materials and engine components. Current work areas include advanced surface treatments and materials and structures prognosis technology for gas turbine engines. Mr. Cowles holds BS and MS degrees in Engineering Science from Florida State University, and an MS in Management from Rensselaer Polytechnic Institute.