

TRACK 4: ADVANCED ENGINEERING TOPICS

“THE F135 – THE RESULT OF FIGHTER ENGINE TECHNICAL EVOLUTION AND INNOVATION”

BY
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ABSTRACT

The talk will re-introduce the traditional technical figures of merit of a fighter engine, provide an historical perspective on the propulsion community's advancement of the figures of merits including the significant evolutions and innovations, and how these significant advances culminated into the F135 propulsion system. We will also discuss “what's next” in next generation fighter engines.

BIOGRAPHY OF SPEAKER



James Fellenstein is the F135 Chief Systems Engineering Director at Pratt & Whitney and is responsible for overall systems integration, analysis and airworthiness for the F-35 propulsion system. During his 21 years at Pratt & Whitney, James has been responsible for leading both commercial and military teams through engine development, certification, and sustainment phases of an engine life cycle. He has been recognized within Pratt & Whitney and by its customers for his leadership and personal commitment to the war fighter. James has a M.S. in Mechanical Engineering and a B.S. in Aerospace Engineering from Case Western Reserve University, B.S. in Physics from John Carroll University, and an International MBA from Purdue's Krannert School of Management. James lives in Connecticut and on weekends likes to kayak and hike in the New England area.