

Dr. Romano Patrick – Data Science & Engineering Fellow, Lockheed Martin

Dr. Romano Patrick combines more than two decades of cutting-edge expertise at the forefront of condition-based maintenance (CBM), prognostics and health management (PHM), artificial intelligence, robotics, and digital-twin technologies. As a trusted leader of small, focused engineering teams, he consistently delivers breakthrough solutions to emerging, high-value challenges, steers strategic technical-shaping initiatives, and bridges the gap between engineering and business functions—and between physical systems and their digital models.

Romano’s work focuses on the pursuit of predictive insight and high-fidelity simulation to empower optimal decision-making — enhancing operational efficiency, performance, safety, and cost-effectiveness across the aerospace, defense, and power-generation industries. His contributions have underpinned a portfolio of flagship innovations with long-term impact across multiple programs and products.

Education

- *Ph.D. in Electrical & Computer Engineering, Georgia Tech*
- *MBA, Georgia Tech*
- *M.S. in Electrical Engineering (Advanced Controls, Robotics, & Manufacturing), U. Texas Arlington*

A proven innovator, strategist, designer, and integrator, Dr. Patrick presently leads next-generation intelligent-engineering initiatives for the optimal sustainment of defense and aerospace platforms at Lockheed Martin, turning deep domain expertise and data-driven insight into tangible, high-impact outcomes in benefit of global commercial and institutional customers.

