**Memo**

**To:** Technical Fellows Program Board

**From:** Robert J. Fleming

**Date:** 19 November 2020

**Subject:** Technical Fellow Program Endorsement for Chatterpaul Joseph

To Whom it May Concern,

*I hereby endorse the application of Chatterpaul Joseph to the Technical Fellows Program.*

Chatterpaul Joseph has distiguished himself over the last 5 years in Rolling Meadows working on a series of complex technical issues in emerging techologies in Electronic Warfare, in particular. From 2016-2019, I ran the Air Warfare Systems BU and Emerging Systems & Strategic Initatives BU in the Land & Avionics C4ISR Division. During this time, I was exposed to the outstanding technical contributions that Chatterpaul had been making in solving complex ultra-low latency and advanced waveform electronic warfare applications, where MBSE was a critical part of our approach. Our Restricted customer viewed this close-to-the-hardware modeling as highly innovative and it formed the basis of ongoing CRAD funding that augmented our product line development. The foundational work that Chatterpaul and a cadre of key engineers are developing will help create discrimating solutions for evolving threats in the battlespace. As with early technologies, the innovation and creativity is critical to future outcomes – but it is less obvious how to dollarize them. So is the case with Chatterpaul’s work. I expect we will see dividends in the future thanks to the successes he has demonstrated.

Chatterpaul has demonstrated an excellent grasp of all aspects of the program he works on, including: systems engineering, hardware, software, integration and test. He has become a recognized expert in EW applications including hardware, calibration, signal processing, MBSE and is making advances in AI/ML for EW. He is able to delve into technical issues at a low level of detail and develop solutions. He is also able to conceptualize future architectures, develop roadmaps and implementation plans to achieve our long term vision.

I admire his commitment to sharing in his learning, as a regular briefer at Mission Systems Symposia and in publication work he continues to produce. This is an important part of what I expect to see from Tech Fellows in bringing forward junior talent and exposing them to their work.

I hereby endorse his application to the Technical Fellows Program.

Sincerely

Dr Robert J. Fleming

Vice President, Program Management

Space Systems Sector