Code	**AMI- NPST011**
Project Name:	Joining of nitinol shape memory alloy to alpha-beta Titanium alloy using Linear Friction Welding for advanced aerospace applications
Objectives:	1. Establish and develop linear friction welding process focused on joining NiTi and Ti-6Al-4V dissimilar welds. 2. Optimize significant process parameters with respect to weld properties: mechanical, shape memory, and superelastic. 3. Characterize weld zone microstructure at micro and nano scales and correlate to bulk properties. 4. Suggest the best interlayer(s) for the NiTi and Ti-6Al-4V dissimilar welds by understanding the science behind their behavior.
Project Period	Yet to be started
Start Date	
Budget	1.95 million SAR
Status	Accepted
Project Outcome	Final Report
Principal Investigator	Dr. Ashfaq Mohammad