

Code	AMI- NPST010
Project Name:	Aluminum to Titanium joining by spark plasma sintering technology
Objectives:	<ul style="list-style-type: none"> • Establish Spark Plasma Sintering setup for joining of dissimilar materials. • Optimize the process parameters such as pressure, DC current, temperature and time to achieve the quality joints between AA7075 and Ti-6Al-4V alloys. • Evaluate the joints with mechanical tests such as bend and shear test. • Develop Structure-Property relationships between the interface microstructure and mechanical behavior of joints. • Suggest a general methodology to use SPS in joining other types of dissimilar materials.
Project Period	Yet to be started
Start Date	
Budget	1.6 million SAR
Status	Accepted
Project Outcome	Final Report
Principal Investigator	Dr. Ashfaq Mohammad (Co-Investigator)