

# 2015 LAUNCH AWARD WINNERS

Launch is a proof of concept and commercialization center for commercially promising technologies developed at NMSU. Its 4th annual competition yielded six finalists; for these finalists, Arrowhead provides cash investments and mentoring services to bring new products and services to market.

## **VARIABLE SPEED CONTROL MOMENT GYROSCOPE (VSCMG):**

Amit Sanyal (NMSU, Mechanical & Aerospace Engineering) developed this technology to provide precise attitude control and stabilization for spacecraft or other applications such as marine vessels, robots, individuals with walking difficulties, and astronauts engaged in space walks. The VSCMG is comprised of novel hardware and software architectures that can be used for changing the orientation (attitude) of vehicles ranging from nano-spacecraft to spacecraft as large as the International Space Station

