



## CGaAs (CHFET) Reliability

**Task Manager: Dr. Rosa Leon (JPL)**

### Objective

- Assess the reliability status of CGaAs as a potential no-compromise solution to demanding low-power, high-radiation operational requirements
- Investigate and document reliability data of GaAs CHFET technology and determine suitability of the technology for NASA applications.

### Deliverables

- Report of identified dominant failure mechanisms in CGaAs devices
- Evaluate long-term reliability and lifetime data in CGaAs devices
- Final report including recommendations for applications of CGaAs in high reliability systems
- Technical papers and publications

### Participating Centers

- Dr. George Ponchak(GRC)
- Ashok Shama (GSFC)