# MARSHALL FACULTY FELLOWSHIP PROGRAM

## JUNE 6, 2016 – AUGUST 12, 2016

**Application Deadline February 15, 2016**

- The Marshall Space Flight Center is offering Faculty Fellowships for qualified STEM faculty at U.S. colleges and universities to conduct research with NASA colleagues during a ten-week residential program in Huntsville, Alabama.
- Faculty Fellows will receive stipends of $15,000 (Assistant Professor, Research Faculty), $17,000 (Associate Professor), or $19,000 (Professor).
- A relocation allowance of $1,500 will be provided to those fellows who live more than fifty miles from MSFC and a $500 travel supplement for one round-trip.
- Applicants must be U.S. citizens who hold full-time teaching or research appointments at accredited U.S. universities or colleges.
- During the ten-week program, fellows are required to conduct their research on-site at the Marshall Space Flight Center.

*Women and under-represented minorities, and persons with disabilities are encouraged to apply.*

# Application

## 2016 Marshall Faculty Fellowship Program
### NASA Marshall Space Flight Center

| **Full Name:** | |
|---|---|
| **Permanent Home Address:** | |
| **Email Address:** | |
| **Home Telephone:** | |
| **Cell Telephone:** | |
| **Applicant's University Name and Work Address:** | |
| **Present Academic Rank/Position:** | |
| **Area of Current Research or Interest:** | |
| **Work Telephone:** | |
| **Fax Number:** | |
| **Date of Birth:** | |
| **Citizenship:** | |
| **Gender:** | |
| **Ethnicity (optional):** | |
| **Starting Date at MSFC:** | June 6, 2016 |
| **Ending Date at MSFC:** | August 12, 2016 |
| Ending Date should be at least 10 weeks after start date above – please add additional weeks if you will need time off for a conference or vacation | |
| **Designated MSFC Area of Concentration in Which You Wish to be Engaged** *(Choose from attached list Marshall Areas of Concentration; area should match your research expertise)* | |
| **Name & Contact Info of MSFC Researcher with whom you have been in contact (if any – not required):** | |

Please attach a **resume** and this application form to an e-mail and send it to Rachael Damiani at rachael.damiani@uah.edu by the deadline of February 15, 2016. If you have any questions, please call (256) 824-6076.

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Applicant's Signature Date

_____

Printed Name

**Marshall Space Flight Center**

**Areas of Concentration**

**Propulsion Systems**

- **Launch Propulsion Systems**
- **In-Space Propulsion (Cryogenics, Green Propellants, Nuclear – Thermal, Solar Thermal, Solar Sails, Tethers, Methane**
- **Propulsion Test beds and Demonstrators**
- **Cryogenic Fluid Management**
- **Rapid Affordable Manufacturing of Propulsion Components**
- **High Temperature oxygen and hydrogen composite research**
- **Materials Research**

**Space Systems**

- **In-Space Habitation with Emphasis on Life Support Systems and Nodes/Elements**
- **Mechanical Design & Fabrication**
- **Small Affordable ISS and SLS Payloads**
- **In-Space Asset Management (Automated Rendezvous & Capture, De-Orbit, Orbital Debris Mitigation)**
- **Radiation Shielding**
- **Thermal Protection**

**Space Transportation**

- **Advanced Manufacturing**
- **Space Environmental Effects and Space Weather**
- **Lander Systems and Technologies**
- **Small Spacecraft and Enabling Technologies (Nanolaunch Systems)**
- **3D Printing / Additive Manufacturing / Rapid Prototyping**
- **Meteoroid Environment**
- **Friction Stir and Ultrasonic Welding**
- **Advanced closed-loop life support systems**
- **Composites**
- **Wireless Systems**

**Science**

- **Replicated Optics**
- **High Energy Astrophysics (X-ray, gamma ray, cosmic ray)**
- **Heliophysics**
- **Interstellar & Planetary Dust**
- **Radiation Mitigation/Shielding**
- **Next Generation Observatories**
- **Earth / Atmospheric Science**
- **Severe Storms Research**
- **Climate Dynamics**
- **Lightning Research**
- **Remote Sensing**
- **Planetary Geophysics/Atmospheres**

**MSFC Point of Contact: Frank Six, 256-961-0678 Frank.Six@nasa.gov**

**November 2015**