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

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<th>Field</th>
<th>Details</th>
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<td>Applicant's University Name and Work Address:</td>
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<td>Present Academic Rank/Position:</td>
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<td>Area of Current Research or Interest:</td>
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<td>Starting Date at MSFC:</td>
<td>June 6, 2016</td>
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<td>Ending Date at MSFC:</td>
<td>August 12, 2016</td>
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<tr>
<td>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</td>
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<tr>
<td>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)</td>
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<tr>
<td>Name &amp; Contact Info of MSFC Researcher with whom you have been in contact (if any – not required):</td>
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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.

Applicant’s Signature  Date

Printed Name

__________________________________________________
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