

JSC Senior Design Project and or Intern Request Form

| | | | |
|---|--|---|----------------------------|
| Project Title: | Alternate Clothing Washing or Sanitizing System for Long Duration Space missions | | |
| Project Description: | There are no water based laundry or clothes washing systems on the International Space Station and none are currently planned for long duration human space missions due to the large amount of power, mass, water, and volume needed. Design an alternate clothing washing or sanitizing system that uses a minimum or no water. | | |
| Choose most appropriate area of research: | <input checked="" type="checkbox"/> Planetary Surface Systems <input type="checkbox"/> Ground Operations <input type="checkbox"/> Propulsion <input type="checkbox"/> Spacecraft <input checked="" type="checkbox"/> Human Health Program | | |
| Program Applicability | <input type="checkbox"/> ISS <input type="checkbox"/> CEV/SLS <input type="checkbox"/> Commercial Crew <input type="checkbox"/> Asteroid <input checked="" type="checkbox"/> Adv. Technology (AES/STMD) | | |
| Choose one project: | Roles and Responsibilities of Senior Design POC/Mentor | | |
| <input checked="" type="checkbox"/> Senior Design | I have coordinated with my management and I am able to support at least three (3) teleconferences (kick-off, mid-term, and final) with a Senior Design Project Team at a university that chooses my project. I understand that I shall not provide any sensitive or classified information to the Senior Design Project students of faculty. I will provide feedback to the project team if requested. | | |
| <input type="checkbox"/> Internship | I have coordinated with my management and I am able to support an intern. If an intern is selected for my project, I will provide an environment where an intern can grow and we may have a mutually beneficial and successful internship. My project will be able to provide a desk space, work area, and computer for an intern. I will review any final report or presentation that the intern generates during his/her internship and submit it to Export Control (DAA) for approval. This project opportunity will be posted in OSSI, through the office of Education (use exact same title). OSSI website: : https://intern.nasa.gov | | |
| Check desired Timeframe for Internship: | <input type="checkbox"/> Year long <input type="checkbox"/> Summer <input type="checkbox"/> Fall <input type="checkbox"/> Spring | | |
| Check desired Major/Minor(s) for Internship: | <input type="checkbox"/> Aerospace Engineering <input type="checkbox"/> Aeronautical Engineering <input type="checkbox"/> Astronautical Engineering <input type="checkbox"/> Biomedical Engineering <input type="checkbox"/> Chemical Engineering <input type="checkbox"/> Civil Environmental <input type="checkbox"/> Health Engineering <input type="checkbox"/> Electrical, Electronic Engineering <input type="checkbox"/> Computer Engineering <input type="checkbox"/> Engineering Physics <input type="checkbox"/> Industrial Manufacturing Engineering <input type="checkbox"/> Materials, Metallurgical Engineering <input type="checkbox"/> Mechanical Engineering, Mechanics <input type="checkbox"/> Nuclear Engineering <input type="checkbox"/> Astronomy, Astrophysics <input type="checkbox"/> Chemistry <input type="checkbox"/> Optics <input type="checkbox"/> Physics <input type="checkbox"/> Atmospheric Sciences <input type="checkbox"/> Geography <input type="checkbox"/> Geosciences <input type="checkbox"/> Oceanography <input type="checkbox"/> Natural Resource Management <input type="checkbox"/> Mathematics, Applied Mathematics <input type="checkbox"/> Computer Science <input type="checkbox"/> Astrobiology <input type="checkbox"/> Biology <input type="checkbox"/> Biochemistry/Biophysics <input type="checkbox"/> Microbiology Bacteriology <input type="checkbox"/> Chemical Engineering <input type="checkbox"/> Other, please specify: | | |
| Mentor Name: | Robert C. Trevino | Mentor's E-mail: | Robert.c.trevino@nasa.gov |
| Title & Organization: | AST/EC8 | Phone | 281-483-2597 |
| Alternate POC/Mentor Name: | Evelyne Orndoff | Alternate's E-mail: | Evelyne.orndoff-1@nasa.gov |
| Education Office Signature and Date: | | Intern Mentor's Signature & Date: | |
| As supervisor/manager, I approve of the above named individual as Senior Design Project POC of Intern Mentor. | | Supervisor/Manager's Signature & Date  6/13/2013 | Joe Gensler |
| (For Intern Request Only) As Administrative Officer, I am aware that the above named Intern Mentor has submitted a request for an Intern. | | Administrative Officer's Signature & Date: | |