Are you an **undergraduate student** interested in applied physics? Join a research group this summer and **pave the road to your future**

**Research Areas**
- Advanced Magnetic Materials
- Laser spectroscopy of biomaterials
- Materials for Energy Applications
- Magnetic nanoparticles for nanomedicine
- Low-dimensional functional materials
- Ferroelectrics (Computational Physics)
- THz photonic phase modulators
- Biophysics of Protein Modules
- Ductile Polymer Glasses (Computational Physics)
- Data-driven modeling of ion dynamics in neurological disorders
- Optical metrology
- Molecular Dynamics Simulations
- Smart sensor technologies
- Magnetic ordering in quasiperiodic tilings (Computational Solid-state Physics)

**Activities include**
- Research training in experimental and computational techniques
- Weekly lecture series “Advances in Applied Physics”
- Laboratories tours
- Workshops in scientific ethics
- Workshops on written and oral communication
- The REU symposium at the end of the program

**The Program provides**
- Stipend: $5,000
- Travel and Housing expenses

**Social and cultural program**
- Picnics and barbeques at USF Riverfront Park
- Visit to the Dali museum
- Visit to the Tampa Museum of Arts
- Field trip to NASA Kennedy Space Center

**Applying**
- Review of applications will begin on March 2, 2022, and continue until all positions are filled.

**Contact**
Dr. David Rabson
Department of Physics
Email: phyreu@usf.edu

More information and **applications** at: [https://www.usf.edu/arts-sciences/departments/physics/ap-reu/](https://www.usf.edu/arts-sciences/departments/physics/ap-reu/)