Since 1995, the Applied Research Center at Florida International University has provided critical support to the Department of Energy’s Office of Environmental Management mission of accelerated risk reduction and cleanup of the environmental legacy of the nation’s nuclear weapons program. ARC’s research performed under the DOE-FIU Cooperative Agreement (Contract # DE-EM0000598) can be classified as fundamental/basic, proof of principle, prototyping and laboratory experimentation.

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**Benefits:**

- Students gain professional development and work experience through hands on research conducted alongside ARC and FIU scientists.

- 10-week internships at DOE national laboratories such as Oak Ridge, Pacific Northwest, Lawrence Livermore, Savannah River, Los Alamos, and Idaho, as well as DOE-HQ, and DOE sites.

- Opportunities for graduate students to develop Master’s thesis and/or PhD dissertation topics with direct supervision of ARC scientists and FIU faculty.

- Students attend national and international conferences such as the Waste Management Symposia, American Nuclear Society’s annual meetings and topical conferences.

- Students develop presentation skills by showcasing their research via oral and poster presentations.

- Opportunities for students to seek employment with DOE, DOE national labs, and DOE contractors.

**Accomplishments:**

- 120 FIU STEM minority students (graduates and undergraduates) have been inducted as DOE Fellows since program inception.

- **8 DOE Fellows** hired by DOE EM HQ (3), DOE national research laboratories (2), and private contractors for EM (3). In addition, **13 DOE Fellows** have been hired by other federal, state or local governments including: Dept. of Defense, NASA, Dept. of Commerce, Florida Dept. of Environmental Protection, DERM, Dept. of the Navy (NAVSEA).

- **56 DOE Fellows** graduated FIU with BS or MS degrees and obtained employment in STEM industry, including Florida Power & Light, GE, Lockheed Martin, Raytheon, Texas Instruments, and others. Hiring rate for DOE Fellows is over 99%.

- 95 internships completed at DOE sites and national labs (SRS, ORNL, DOE ORO, PNNL, LLNL, Idaho, and Hanford), DOE HQ and DOE contractors. Technical reports available at [http://fellows.fiu.edu](http://fellows.fiu.edu).

- Over 142 student posters and professional presentations given at national & international conferences (e.g., Waste Management Symposia, American Nuclear Society, etc.).

- Waste Management Symposia Best Student Posters awarded to Christine Wipfli (WM15), Alexandra Fleitas (WM14), Stephen Wood (WM11), Denny Carvajal (WM10) and Denisse Aranda (WM09). Best Overall Professional Poster awarded to Leydi Velez (WM09).

- 45 Fellows have continued to obtain Master’s or PhD degrees at FIU and other institutions.

- Established the first American Nuclear Society (ANS) student chapter at FIU (January 2016).

- DOE Fellow selected to conduct a 1 year internship at the International Atomic Energy Agency in Vienna Austria (starting Spring 2016).