

"In the end, it's the support the younger generation gets from us more "mature" humans that will not only make a difference in their lives, but also in the world we all live in." LL



Oak Ridge National Laboratory, Tennessee



Hanford Site, Washington



Idaho National Laboratory, Idaho



DOE Headquarters, Washington, D.C.

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DOE-FIU Science & Technology Workforce Development Program



PROGRAM OVERVIEW

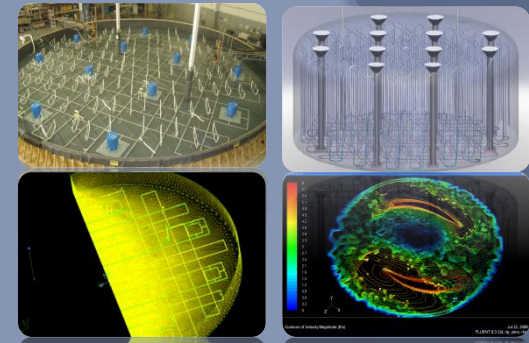
The DOE-FIU Science and Technology Workforce Development Program is designed to build upon the existing DOE-FIU relationship by creating a “pipeline” of minority scientists and engineers specifically trained and mentored to enter the DOE workforce in technical areas of need.

The main objective of the program is to provide interested students with a unique opportunity to integrate coursework, Department of Energy field work, and applied research at FIU into a well structured academic program that can potentially lead to entry into the Department of Energy’s workforce, or employment opportunities with DOE national laboratories or DOE contractors.



MAJOR ACCOMPLISHMENTS

- Since program inception in 2007, four DOE Fellows hired by DOE-EM, one by Oak Ridge National Laboratory, and one by private contractor, Columbia Energy.
- DOE Fellow (Rinaldo Galdamez) – Winner of the FIU Libraries Undergraduate Student Research Award 2010. DOE Fellow (Stephen Wood) – Winner of FIU Graduate School Scholarly Forum 2011.
- 55 Internships completed at SRS, ORNL, DOE-ORO, DOE-HQ, PNNL, LLNL, Idaho and Hanford. Technical reports available at www.arc.fiu.edu/intern.
- Since 2008, 42 student posters and 16 professional presentations given at Waste Management Symposia (including WM11).
- Waste Management Symposia Best Student Posters awarded to Stephen Wood (WM11), Denny Carvajal (WM10) and Denisse Aranda (WM09). Best Overall Professional Poster awarded to Leydi Velez (WM09).
- DOE Fellows program featured in DOE’s “D&D/Facility Engineering” & “Across the Pond” quarterly newsletters & DOE-EM’s Year End Report.
- 21 Master’s theses and 2 PhD dissertations completed as a result of DOE Fellows EM research – STEM student development!!!!
- 10 DOE Fellows applied to EMPDC program in 2009 and 2010 & 5 DOE Fellows applied to SCEP in 2010.
- DOE Fellows actively supporting ONRL Remote Stack Characterization tool development & testing.
- DOE Fellows supporting In-Situ Decommissioning activities & research at SRS and SRNL.
- DOE Fellows supporting DOE’s Energy Facility Contractors Group (EFCOG) in developing Lessons Learned & Best Practices documents.



DOE FELLOWS STEM DISCIPLINES

- Biomedical Engineering
- Environmental Engineering
- Mechanical Engineering
- Electrical/Computer Engineering
- Industrial Engineering
- Civil/Structural Engineering
- Construction Engineering
- Environmental Sciences
- Physics/Chemistry/Math Majors

PROGRAM COMPONENTS

- 2-4 year developmental and mentoring program
- Hands on work and research experience
- Paid 10-week summer internships at DOE Sites, national laboratories & contractors under the supervision of DOE scientists and engineers
- Assigned ARC scientists/engineers as mentors
- Tuition waiver for graduate students (Masters/PhDs)
- Paid 20-hour/week student research Assistantship at ARC during the school year

