



University of Pittsburgh – Society of Women Engineers

January 28th, 2011: Weekly Opportunity Blasts

The University of Pittsburgh MIDAS National Center of Excellence is proud to announce a summer research opportunity for undergraduates interested in research pertaining to computational modeling and simulation of infectious diseases. See [flyer](#) for details.

Summer 2011 Research Experiences for Undergraduates in Science & Engineering!

Application Deadline: Friday, February 25, 2011

For more information and to apply: <http://www.ccefp.org/get-involved/students/research-experiences-undergraduates-reu>

Welcome to the Center for Compact and Efficient Fluid Power (CCEFP) Research Experiences for Undergraduates (REU) Program. The program allows undergraduates to gain hands-on experience in conducting original research and apply it to cutting edge applications in fluid power and related disciplines.

The program and center are funded by the National Science Foundation. Students come from all around the country to work at the seven universities that are part of the Center. Students have a diverse range of majors, experiences and interests. We hope that you will consider joining us this summer.

Students work in a university research lab on a project related to fluid power along with a faculty advisor with expertise in the field. Projects may involve background reading of technical literature and reports, computer-aided design, mathematical modeling, fabrication designs, experimental testing and group discussions and project team meetings. Every student has a project of their own with specific responsibilities and deliverables. At the end of the summer, every student creates a scientific poster and a project report. In addition, there is a program of professional development and social activities with other REU students.

REU positions are available at Georgia Tech in Atlanta, University of Illinois in Urbana-Champaign, University of Minnesota in Minneapolis, Milwaukee School of Engineering in Milwaukee, North Carolina A&T State University in Greensboro, Purdue University in West Lafayette, IN and Vanderbilt University in Nashville, TN.

CCEFP: <http://www.ccefp.org>

From: UHC Information Ticker uhchome@pitt.edu

Date: January 19, 2011 10:50:17 AM EST

Subject: UHC - Need STEM students to assist Somali Bantu youth event

Events: <http://events.honorscollege.pitt.edu>

SEMFS – mentoring event

Contact: Ohiremen (Ohi) Dibua, old5@pitt.edu

My name is Ohiremen (Ohi) Dibua, and I am a member of Scientists, Engineers, and Mathematicians for Service. On behalf of SEMFS, I invite you to participate in a mentoring event for resettled Somali Bantu children. This event will consist of a series of interactive presentations and hands-on activities which will occur in late March and early April. Last semester SEMFS ran a successful two day pilot program that focused on science and engineering. With your help and involvement, we would like to broaden the scope of this program.

SEMFS performs this mentoring initiative with the Somali Bantu youth in collaboration with Pitt's student run organization, Keep it Real (more information about them can be found here: <http://www.pitt.edu/~sorc/keepitreal>) Creating presentations and hands-on activities for these kids is a rewarding experience, and not just because interactions with witty middle school kids are enjoyable. SEMFS allows you to share your knowledge of science and math with kids who may one day, thanks to your mentorship, take STEM related courses at Pitt.

The following activities occurred during the pilot program. On the first day, we discussed the basic physics of airplanes, water filters, and boats before going to the lab and having the kids build their own water filters and model balsa wood planes. During the second day, we used graphic computer simulations to demonstrate the molecular interactions of water molecules and the gravitational behavior of solar bodies. In addition to this, we taught them some fundamentals of tower construction and had them apply what they learned to build their own balsa wood towers.

For SEMFS to continue providing the resettled refugee children with interactive presentations and hands on activities, we need scientists, engineers, and mathematicians to get involved! If you have any questions about this organization, please contact me (Ohi) at old5@pitt.edu.

Best regards,

Ohi Dibua

Mechanical Engineering and Economics

Contact: Ohiremen (Ohi) Dibua, old5@pitt.edu

EWB – First GBM

My name is Julia and I would like to invite all the members of SWE to our first general body meeting of Engineers Without Borders this year! We will be running our GBM's differently this year in that each will have a speaker or workshop component that we think the entire school can enjoy!

Next Tuesday we will have Jackson Ndizeye speak about sustainable wind energy production in Rwanda and how this country, which has been through so much turmoil, could improve itself so vastly by embracing sustainable energy production.

Please join us in the 102 conference room in Benedum Hall! We will be starting at 6:00 pm on Tuesday, February 1st.

Thank you!

Julia Warren