About NSBE Birmingham

The National Society of Black Engineers (NSBE) Birmingham Professionals Chapter is a 501(c) (3) non-profit association dedicated to the academic and professional success of African American engineering and technical students and professionals.

Our mission is to increase the number of culturally responsible black engineers, who excel academically, succeed professionally and positively impact the community. NSBE-Birmingham fulfills the mission of NSBE by organizing, sponsoring, and attending an array of workshops, community activities, scholarship funding, mentoring, and networking events.

We facilitate the development of strong technical professionals and leaders, encourage minority students to eagerly seek out degrees in Science, Technology, Engineering and Mathematics related fields, and empower the community with the knowledge and foresight to strengthen the very foundation that enables our community as a whole to achieve greater heights.

Chapter Objectives:

- Stimulate and develop student interest in the various engineering disciplines.
- Encourage and advise minority youth in their pursuit of an engineering career.
- Strive to increase the number of students studying engineering at the undergraduate and graduate levels.
- Encourage members to seek advanced degrees in engineering or related fields and to obtain/maintain professional engineering registrations.
- Promote public awareness of engineering and the opportunities for blacks and other minorities in that profession.
- Function as a representative body on issues and developments that affect the careers of black engineers.

Visit us at www.nsbebham.org

Follow us on Twitter, LinkedIn, YouTube, and Facebook
Alabama A&M Professor Leading the Charge in Renewable Energy

By Mike Kelley
al.com  September 01, 2014
Huntsville, Alabama

Alabama may not yet be at the forefront of the renewable energy movement, but an Alabama A&M University mechanical engineering professor isn’t waiting around.

Dr. Showkat Chowdhury, who’s been teaching mechanical engineering at A&M for the past dozen years, has launched a new series of courses this fall term aimed at getting engineering students geared up in the basics of renewable energy technology.

“The energy crisis has just started, and we’re not going to easily get out of it. Renewable energy is one of our best solutions.”

Funded by a $300,000 National Science Foundation grant, the two new courses will ground A&M engineering students in the basics of renewable energy technology.

“ME 441 Renewable Energy, a survey course touching on all renewable technologies: solar, wind, geothermal, biomass, and hydroelectric.

ME 442, offered in Spring 2015, will take a deeper plunge into solar thermal, solar photovoltaic (i.e. solar electricity) and wind power.

Both courses will have additional work options for graduate students.

Chowdhury says the energy situation in the U.S. is bad and getting worse.

“The energy crisis has just started, and we’re not going to easily get out of it. Renewable energy is one of our best solutions.”

About $100,000 of the grant has been used to buy renewable energy research equipment to support the course and Chowdhury’s ongoing research. A six-foot long wind tunnel will allow various windmill scenarios to be tested.

“A unique solar testing device will allow researchers and 15 student assistants to study how changes in solar radiation intensity and electrical loads affect solar energy output and efficiency."
MEMBER SPOTLIGHT

This month we have two members who have new leadership roles within their organizations.

Please congratulate them!

Demitrius Davis
Fleet Programs Engineering Director,
Southern Nuclear Company

Albert Jones
Fleet Projects Manager,
Southern Nuclear Company

FAST FACTS

60 minutes
Children need 60 minutes of physical activity a day ... Kids take an adult with you 😊

1x Every Year
Plan a visit to your doctor every year! Your physical wellness is a CHOICE

MORE NSBE SITES

NSBE National
http://www.nsbe.org

NSBE Region 3

NSBE Montgomery
http://www.nsbe-mae.org

NSBE of North Alabama
http://www.nsbe-northalabamae.com

NSBE Zumba’s for a CURE

October is Breast Cancer Awareness month. In honor of the initiative NSBE Birmingham Professionals will host Zumba for a Cure on October 1, 2014 in the open area in Veteran’s Park.

The Zumba class will be led by Gloria Buie, a breast cancer survivor and employee of Southern Nuclear Company.

Those interested, can sign up to join Gloria’s walk team in the annual Susan G. Komen Race held at Linn Park on October 11th. Those who are not available to walk but who would like to make a contribution to the Southern Nuclear walkers can contact Gloria at ghbuie@southernco.com

Volunteers Needed for Birmingham Education Foundation

The Birmingham Education Foundation is in need of volunteers to assist with its career prep classes to help high school seniors and juniors advance their professional skills. As a volunteer, you would be conducting [2] 45 minute presentations; one (1) presentation between before November and another between January and April.

The presentations topics include rhetoric appeals, elevator pitch, and drafting. The Birmingham Education Foundation will provide the presentations, so volunteers would simply have to present!

Presentations would take place during school hours.

If you are interested and have any additional questions please contact Candace Curry at C_l_curry@yahoo.com
NSBE members are invited to a Health & Wellness Fair on October 11, 2014 at the historic 16th Street Baptist Church.

The event will be co-sponsored by NSBE Birmingham and the church’s health ministry.

Attendees can get screened for high blood pressure and diabetes, have an eye exam, as well as see a certified Walgreens pharmacist for their annual flu shot!

Vendors and health care professionals will be on hand to give healthy living tips.

The event is the same day as the Susan G. Komen walk. If you’re already in the downtown area please plan to come by!

Event vendors Include:

- Walgreens
- STEELCITYPOPS
- American Diabetes Association
- West Neuropsychology, LLC
- SCDA
- American Cancer Society
- YMCA Birmingham
Webinar: 
So You Think You Want A MBA

As an aid to helping guide your decisions NSBE Birmingham will be offering webinar brown bag series.

The webinars will be offered over lunch to offer members the flexibility of dialing in to a conference bridge.

The October webinar will be focused on achieving a Master’s of Business Administration (MBA).

The webinar will cover requirements, curriculum, career benefits, and school rankings.

Invitations for the webinar will be sent to the NSBE Birmingham email list and posted on our chapter LinkedIn account and website.

Visit us at www.nsbebham.org

2014 NSBE Professional Development Conference (PDC)

"Igniting Your Professional Brand. Leadership. Development. Growth"
October 2-5, 2014 | Scottsdale, AZ

The 2014 NSBE Professional Development Conference (PDC) is the premiere event totally focused for NSBE Professionals. This year’s conference has been designed by combining the best practices from past regional PDCs into one conference for all NSBE Professionals.

Over the course of three days, attendees will have the opportunity to deepen their technical and leadership skills, learn from top industry leaders and connect with 100’s of the top technical professionals in the country.

Click here to register for the event!

This year's PDC will be hosted at the Scottsdale DoubleTree Resort by Hilton. NSBE members will enjoy a hotel Rate of $109/night.

The Hotel Room Block is now open. Reserve by 9/17 by calling 1.800.222.8733 or book online using the following link: Reservations.

Current Corporate Partners for the Professional Development Conference include:

- Google Corporation
- Georgia Pacific
- Boeing
- Johnson Controls
- Emory University’s Goizueta Business School
- Bank of America
- Panasonic Corporation
Join the Science Café: as they present: “Attention! Changing the Way Your Brain Processes Information”

The dialogue is presented by McWane Science Center and will be held at John’s City Diner on October 21, 2014 at 6:00 pm

Learn about how your brain weeds out irrelevant information and how differences in attention mechanisms relate to differences in performance on visual tasks.

GUEST SPEAKER: Kristina Visscher, Ph.D., Assistant Professor of Neurobiology, UAB

All Science Cafes are free to the public.

For more information call: 205-714-8300 or visit the McWane event calendar http://mcwane.org/calendar_items/1300-science_cafe

John’s City Diner
112 Richard Arrington Jr Blvd
Birmingham, Alabama 35203.

NSBE Birmingham kicked off its Future Engineers of America (FEA) Program on September 14, 2014. Guest speakers were Portia Williams who spoke on Resume Writing and Dennis Grey from UAB NSBE who presented on Civil Engineering.

The next FEA meeting will be held on October 12, 2014 at the Alabama Power Corporate Headquarters. FEA is chaired by Julian Grant and Michael Gordon. To volunteer as an advisor send emails to pci@nsbebham.org
Give Us Your Feedback!

What can we do to improve your membership experience?

Please send comments and suggestions to our Programs/Membership Chair at membership@nsbebham.org

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