September 2009

Special points of interest:
- Meet a Freshmen
- Engineering Achievements
- Meet the E-Board
- Welcome Back Picnic

President’s Message by Vanda Ametlli

Dear Engineering Family,

My name is Vanda Ametlli. However, introductions are probably not necessary since like many past Engineering Student Faculty Board (ESFB) presidents, you know me by my email address first then by my name. I would like to welcome all of you from students to faculty to staff to the 2009-2010 academic year.

This past August, I volunteered at Festi-Fall, an event that exposes incoming students to campus life. As I wrote many follow-up emails to the incoming freshmen’s that stopped by to greet us in the “College of Engineering” booth, I received an email which just took me by surprise. An enthusiastic freshmen student emailed me back mentioning “I am extremely excited to meet and grow with my new “engineering family”. As sentimental the word “family” is, especially being associated with engineering, I realized that we are all one big family. We might belong to a specific department or student organization but at the end of the day we all represent the “College of Engineering”. Our contributions all impact this extended family that includes past, present and future members.

I hope we will use this newsletter which will be overlooked by the ESFB as a fun way to connect with our family members. My vision for this newsletter is to grow into a newsletter that highlights student, faculty, staff & alumni achievements. In addition, to highlight a range of topics from entertainment, technology development, global issues, sports, video games to anything that you as a reader would like to see and willing to contribute.

Best Wishes,

Vanda Ametlli

(ESFB President)

Welcome Back Picnic – September 10th, 2009

The “College of Engineering”, Welcome Back Picnic has been somewhat of a tradition that students, faculty and staff always look forward to each year. Due to the construction caused by the building of the “Engineering Development Center”, we did not have a picnic the past two years. This year’s event was back and was a success from the delicious food from our grill masters, Dean Thompkins and Jo-Zito, to giveaways, student organization booths, rock band and Dunk Tank! While, all the giveaways and activities made the event fun, it was the mingling of students, graduate research assistants and faculty that created a pleasant atmosphere.

Pictured Right: Dunk Tank Volunteer—Barbara House (SSIM Staff)
MEET THE EXECUTIVE BOARD OF ESFB

ESFB Representatives
AiChe David Alam
ASCE Robert Feister
ASME Manan Trivedi
IEEE Jamal Adams
CEO Brian Frenzell
IGVC Shawn Hunt
IIE Willena Nkanga
NSBE Tasha Crowell
SAE Devin Partrich
SHPE Gustavo Serratos
SWE Renee Thomas
TBP Eric Gingrich
AiChe David Alam

Vanda Ametlli-President

Hello! My name is Vanda! I like explanation points!!! I am a senior in the Industrial & Manufacturing Department. My involvement in the "College of Engineering" ranges from IIE,SWE,TBP,IEEE and more currently ESFB. While most of my "free time" is consumed by student organizations, I am also a TV-junkie. I watch every show from Family Guy to House to 24 to Desperate Housewives to CSI to Big Bang Theory.

I am also amazed at myself how I have time to keep with my TV addictions. My favorite hobby has to be going to concerts. I try to go to at least a concert month. It is such a great experience! I have been fortunate to see my favorite band, "Brand New" twice in concert! I am a commuter and living with my parents which I have no complaints against!

On a more serious note, I am getting ready to finish up my B.S.I.E and have started the AGRADE program to finish up my M.S.I.E. I hope to one day to own my own wedding planning company so let me know if you want to in my team!

Krystle Laja– Vice President

Hi, I’m Krystle Laja. I am currently completing my MS thesis in Biomedical engineering and will finish in S’09. I plan on pursuing a PhD in Electrical & Computer Engineering. My current research is focused on analytical characterization methods such as Raman spectroscopy and X-ray photoelectron spectroscopy. I have served as secretary for ESFB and currently serving as Vice President. I am also involved with SWE & IEEE. I am also involved in the Filipino community. I teach Filipino language (Tagalog) to 6-8 years old. Additionally, I lead the Tagumpay Dance Ensemble which showcases Filipino folk dances at various events such as WSU International Dance Show, Troy Daze. I currently work at WSU’s Smart Sensors and Integrated Microsystems (SSIM) program.

Jessin John– Secretary

I’m Jessin. I’m the type of person that tries to bite off more than I can chew: whether that be in student orgs, research obligations, and especially food. However, I also believe in the "clean your plate" philosophy. I finish what I start. I am an MD PhD student with my PhD focusing on Electrical Engineering. I’m in my 4th year of the program and my 8th year at WSU. My favorite movie is...who am I kidding, I don’t have time to watch movies! I am the secretary of ESFB and the Membership Vice President of Tau Beta Pi. If there is such a concept as free time, I like hanging out at church, playing guitar/drums/bass, and flying private planes.
Luke Mackewich – Treasurer

My name is Luke Mackewich, and I am a senior majoring in Civil Engineering. I am currently in the AGRADE program and am working on my masters in Civil Engineering with an emphasis on water purification and distribution. I have live on campus, which is quite a blast, and am heavily involved in student organizations throughout the College of Engineering. I was also elected Homecoming King 2009!!!. In addition, I am also a member of the Wayne State Concrete Canoe Team, as well as working on a research project with Dr. Miller.

Meet the Freshmen Class!- Devin I Partrich

When it came time to make the final decision regarding college, I was relieved at how easy my choice was to make. Wayne State University by far out weighed it competitors for many reasons. It was most importantly a top engineering college located in the center of the auto industry, the center that drives the Great Lakes State. However, beyond that it offered a wide range of clubs and activities I soon found my self joining and participating in such as, SWE, Formula SAE, ASCE and the concrete canoe.

Above all though, the reason why my decision to attend Wayne State University College of Engineering was so easy is because, it offered many scholarship opportunities that without my dream of becoming a civil and environmental engineer would be meek.

The friends I have made through the college of engineering in just this past month have been both supportive and knowledgeable as they patiently teach me not only the techniques needed to survive in college but to be an engineer as well.

College & University Highlights

- Dean Usmen appointed Interim Dean of Engineering
- Dr. Simon Ng appointed Interim Associate Dean of Research
- Dr. Monplaisar appointed Chair of the Industrial & Manufacturing Department
- Professor Yinlun Huang receives Governors’ Green Chemistry Award
- Annual Drive Safely to WSU Campaign (Sept 28–Sept 29th)
- University Research Corridor impact on Michigan’s economy climbs to $14.5 billion
- COE offers graduate certificate program in sustainable engineering
- WSU receives $ 5 million grant for electric vehicle engineering program
- Fall 2009 Enrollment surges by 760 students at WSU

http://wsuathletics.com/
General Electric Summer Internship-Kelly Foster
Mechanical Engineering Student, Senior

This summer I worked at GE Aviation in Cincinnati, OH. This is the second out of state internship I have taken (previous was in Wichita, KS with Cessna Aircraft Company). Both companies offered me the internships at the Annual National Society of Women Engineers (SWE) Conference. This summer at GE I worked in the systems engineering group of the CF6 engine line for commercial and military planes. This involved working on cost reduction and failure analysis of parts. It is hard to prepare through my education at Wayne State for working in the aviation industry but as a mechanical engineering student I feel that classes such as Thermodynamics, Fluids and Heat Transfer have helped a great deal. You don't have to be an aerospace engineering major to work in aviation! The main challenge I have encountered in my internship experience has been the need to increase my knowledge of the aviation industry.

Roland Bogdani- Germany Internship
Civil Engineering Student, Senior

This past summer, I was in east Germany in the city of Weimar located in the state of Thuringia. I worked for a German research group called the GRK in the university of Bauhaus. There were 12 PhD candidates and 2 post doc employees there. I was forwarded the internship application from Shawn McElmurry in Civil/Environmental engineering. He wrote the letters of recommendation. To my knowledge there were about 1200 applicants and around 350 were selected in various fields of engineering, biology, and chemistry throughout Germany. What I did at the internship is basically learn how to use several different Finite Element Model (FEM) programs. I mostly worked with Ansys Workbench and Ansys Classis.

Germany Adventure Continued.

I also worked with a program that was developed by that university (Bauhaus University) for use by that university called SLang (Structural Language). I also spent some time designing elastomeric bridge bearings (connection between substructure and superstructure). I dealt mostly with computer programs and this is a place where WSU lacks. It would have been useful to have been introduced to finite element systems before entering this internship. As for challenges, you may have guessed that language was biggest barrier. Nevertheless, it was not terrible. I picked up on the language very little. It helped that a lot of people there spoke language.
ESFB Objectives 2009-2010

♦ Promote student & faculty achievements
♦ Sponsor social events to bring together undergraduate, graduate, faculty & staff members
♦ Promote collaboration between engineering student organizations
♦ Increase communication between students, faculty and student organizations through a “College of Engineering” common calendar
♦ Increase faculty involvement in student affairs
♦ Strengthen Student Council relations
♦ Maintain an operation guide for all student organization

Join a Student Organization!

www.eng.wayne.edu/studentorgs

American Institute of Chemical Engineers
aiche@eng.wayne.edu
Engineering Graduate Student Association
egsa@eng.wayne.edu
Society of Automotive Engineers
warriorracing@eng.wayne.edu
American Society of Civil Engineers
asce@eng.wayne.edu
Engineering Student Faculty Board
esfb@eng.wayne.edu
Society of Hispanic and Professional Engineers
shpe@eng.wayne.edu
American Society of Mechanical Engineers
asme@eng.wayne.edu
Intelligent Ground Vehicle Competition
igvc@eng.wayne.edu
Society of Women Engineers
swe@eng.wayne.edu
Biomedical Engineering Society
bmes@eng.wayne.edu
Institute of Industrial Engineers
iie@eng.wayne.edu
Tau Beta Pi (Engineering Honor Society)
tbp@eng.wayne.edu
Collegiate Entrepreneurs’ Organization
ceo@eng.wayne.edu
Institute of Electrical & Electronics Engineers
ieee@eng.wayne.edu
Theta Tau (Engineering Professional Fraternity)
theta@eng.wayne.edu

Upcoming Events
⇒ ESFB Logo Contest
⇒ ESFB “Wayne State Engineering” Sweaters
⇒ ESFB Website Re-Design
Do you enjoy writing?
Have you been involved in your student newspaper or yearbook staff?
Would you like to write about different happenings in the College and University?
Would you like to write about your favorite show, videogame, restaurant in Detroit?
Would you like to give us a better name than ESFB Newsletter?
Would you like to have your own column?!?!

BECOME A STAFF WRITER FOR THE
ESFB NEWSLETTER!!!!!!!
WE’RE LOOKING FOR A WRITER
& AN EDITOR-IN-CHIEF

Contact: Vanda Ametlli
ametlli@wayne.edu if you are interested
The ESFB newsletter will be published monthly.
ESFB holds weekly meetings every Wednesday from 12:00 P.M-1:00 P.M in the Hal of Fame (1200 Engineering). These meetings are opened to students (undergraduate & graduate), faculty and staff members. ESFB as acts as the liaison between students and the college administration so bring any concerns to ESFB or contact us.

Student Council Concerns? Want to Join Student Council?
Contact Gil Poisson—gil@wayne.edu
www.studentcouncil.wayne.edu

ESFB Faculty & Administration Members

Dean Thompkins
ESFB Faculty Adviser

Faculty Representation:
Dean Grimm—Biomedical Engineering Faculty
Dr. Pandya—Electrical and Computer Engineering Faculty
Dr. Tan—Mechanical Engineering Faculty

Staff:
Andrea Eisenberg—Chemical Engineering Adviser

Thank you for being part of ESFB!

All faculty & staff are encouraged to attend ESFB Meetings or get involved with ESFB.

Behind the scenes: Michelle Picket & Maria Ramos