



IEEE Power & Energy Society **SCHOLARSHIP PLUS INITIATIVE™**

Preparing the Next Generation of Power & Energy Engineers

PES Scholar Profiles



Launched in 2011, the IEEE PES Scholarship Plus Initiative is helping develop the power industry innovators of the future. Enclosed are profiles of some of these outstanding individuals.

www.ee-scholarship.org

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PES Scholar Profile – Matt Backes

Name

Matt Backes

Who am I?

Electrical Engineering

Graduating May 2015 with B.Sc.

My interests are concerned with how to integrate renewable energy, specifically wind energy, into the existing power system, and how to encourage the proliferation of wind energy. This is a challenge of monumental proportions and there are plenty of naysayers, but the social (and hopefully economic) benefits are well worth the research efforts. Other interest areas are electricity markets and economic dispatch, especially when dealing with distributed generation and renewable technologies. This is starting to challenge the fundamental way power is delivered and electricity markets need to be properly structured to encourage these types of energy generation.



Why did you choose to study engineering and the power engineering field?

I chose to study engineering out of a passion for mathematics and how it can so elegantly and concisely describe the fundamental principles of the physical world. I chose power engineering after I took my first energy systems course. I always knew I wanted to work in an area that had some sort of societal impact to it, and once I saw the evolution the current grid was undergoing, I knew that I had found a field that would challenge me technically and engage me. This has further been supplemented by my subsequent power engineering courses. The only problem I have is that I want to work on everything that I come across in classes, but alas, I would be a perennial student if I tried that.

What do you love about the power engineering field? What excites you about being involved in the PE field?

There are a bevy of reasons I love the power engineering field. First and foremost, working in the power engineering field has real impact. What we do directly affects people and their quality of lives. If people are without power for a minute, they are detrimentally affected. Another reason I love power engineering is because of the constant evolution it is undergoing. There are almost never incremental changes, it is also a leap of technology that occurs. The field is always changing, and for the better. The other very exciting thing about the power engineering field is that it offers a unique mix of age distributions. Many power engineers are in the tail end of their careers, and while this does prevent somewhat of a problem, it gives younger power engineers the chance to learn and have real impact in a short time.

How has been selected as a PES Scholar impacted you?

While the financial assistance is outstanding, I would argue that it is not even the most impactful part of being a PES Scholar. The scholarship carries weight around the power engineering industry and employers take a keen interest in it. A plethora of resources also come along with the scholarship. We have access to a PES careers website which allows us a unique opportunity to connect with employers. We are also able to get a mentor to help guide our career choices. Additionally, the program supplies scholars with new research reports and technical webinars, which allows the scholars to develop their knowledge further.

PES Scholar Profile – Alyssa Bezreh

Name

Alyssa Bezreh



Who am I?

I am studying Electrical and Computer Engineering at Northeastern University. I will be graduating in Spring 2016. I am particularly interested in energy storage.

Why did you choose to study engineering and the power engineering field?

I wanted a career where there was room to make a large impact on society. The power and energy fields is one of these fields. When I started studying engineering, my biggest goal was to someday help with that impact. The amazing thing is that through my power and energy internships, I already have. Working at Ambri, Inc, a clean energy startup working to create a liquid metal battery for the grid, I was able to contribute meaningfully.

What do you love about the power engineering field? What excites you about being involved in the PE field?

I am most excited about the opportunity for change. We can, and are, moving towards smarter and cleaner infrastructure, and I get to be a part of that!

How has been selected as a PES Scholar impacted you?

It has given me the confidence and resources to explore the power and energy field. Through this scholarship, I have received recognition from many of my professors. The personal relationships I have formed with the professors through this scholarship have greatly improved my college experience.

PES Scholar Profile – Oceane Boulais

Name

Oceane Boulais

Who am I?

Electrical Engineering, 2017, Florida Atlantic University
Emphasis in Solar-Fuel Technology and Educational
Engineering/Engineering Leadership



Why did you choose to study engineering and the power engineering field?

I aspire to empower others. I grew up in a home where innovation and dedication to the community came hand in hand and taught me at a very young age to respect the power in the world around us. I see unimaginable potential in the society we live in- potential to change and harness our current technologies used to obtain, contain and sustain power in order to better our communities. Going into the Power Engineering field just made sense for me because I am determined to be a part of the renewable energy wave that is going to dominate our world's future. By immersing myself in the PE field, I know that I'm investing in my world's future.

What do you love about the power engineering field? What excites you about being involved in the PE field?

I love the endless possibilities that lay within the realm of power engineering! I get so passionate when leading workshops for young high school and middle school students that revolve around the power engineering industry because there is so much opportunity that I get to share with my students. I get particularly excited when I begin imagining the impact I will have in the power engineering field on the rest of our world through progressive movements into renewable energy initiatives.

How has been selected as a PES Scholar impacted you?

Being selected a PES Scholar has given me the confidence to open doors of opportunity that I had never realized were options for me. After finding out about the PES Scholar award, I was recommended by my Dean to enter a 24hr Extreme Engineering Scholarship Competition with SHPE in Detroit, Michigan and won a \$2,000 scholarship for being selected the Extreme Engineer of the Year. Following that, I received notice from the Region 3 Student Activities Board that I had been selected to be the IEEE Region 3 Student Representative beginning January 2015.

Additionally, after reading the IEEE PES Facebook post of my selection to be a PES scholar, the TEDxBoca Raton committee called me in mid-November to ask me if I'd be a speaker for the TEDxBoca Raton event in March 2015.

The stories go on and on...I am so thankful for the opportunities that the PES Scholar Plus Initiative Program has brought me!

Oceane Boulais

PES Scholar Profile – Summer Church

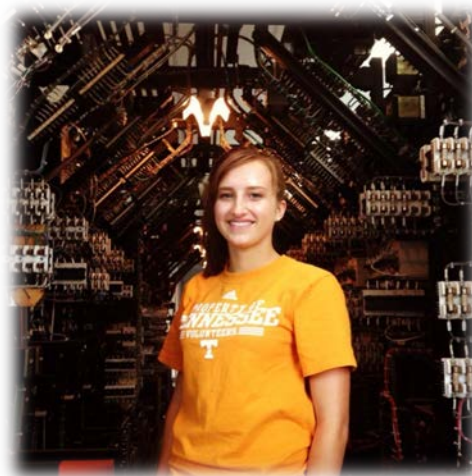
Who am I?

Major: Electrical Engineering, Honors

Graduation Year: 2017

School: University of Tennessee Knoxville

Areas of Academic Emphasis: Power and Energy Systems



Why did you choose to study engineering and the power engineering field?

I first became interested in engineering when my seventh grade math teacher encouraged me to consider a degree in a STEM field. At that point in my life, I had already found that I had a strength and an interest in math and science subjects. I could even remember a time when I was at a children's museum in elementary school where I had connected circuits at an electrical exhibit for hours, simply because it was interesting to me. By the time I was a freshman in high school, I had begun to research the various engineering disciplines to explore possible majors for college. Out of the many choices, electrical stood out to me. I could tell it was a broad field, including microelectronics, control systems, robotics, power electronics, renewable energy, grid technology, along with power generation, transmission, and distribution. It seemed innovative and exciting because I could see electricity being used in everyone's day-to-day lives, ranging from smart phones to three-phase power in a city. I first became interested in power when I began working as a research assistant with CURENT (Center for Ultra-Wide-Area Resilient Transmission Networks) research center at the University of Tennessee on a project involving residential power demand and response. CURENT is sponsored by the U.S. Department of Energy and National Science Foundation. During the summer of 2014, I had an internship position with Johnson City Power Board, a utility company that serves about 76,000 customers. My interest in electrical devices, along with my academic and practical experiences have all contributed to my desire to pursue a career in the power and energy field.

What do you love about the power engineering field? What excites you about being involved in the PE field?

Power is unique because engineers are required to design solutions on both a local and international level. An example of this is when I was able to travel to Beijing, Nanjing, and Shanghai, China with CURENT center ambassadors from the University of Tennessee. We were able to discuss China's national grid system with students from Tsinghua University, Southeast University, and North Electric Power University, along with executives from State Grid, the largest state-owned

utility company in the world. It was interesting to compare the United States's electric grid to China's and to learn the approaches that both countries are taking to solve similar problems in energy.

This is an exciting time to enter into the power and energy field with the advancement of smart grid technology and the increase of renewable and alternative sources. I am looking forward to being a part a team that helps to design the electric grid of the future.

How has been selected as a PES Scholar impacted you?

After being named a PES Scholar, I was able to receive a co-op position with Eaton Corporation in Business Development of the electrical sector. In this job, I am currently designing electronics for power management solutions that will be manufactured by the company and sold to utilities and other partnering companies around the world. I also feel more empowered to pursue a power and energy career, given that my efforts and interests are being recognized on a national level. During my time at the University of Tennessee, I am now planning on graduating in electrical engineering with a power and energy systems concentration.

PES Scholar Profile – Benjamin Franco

Name

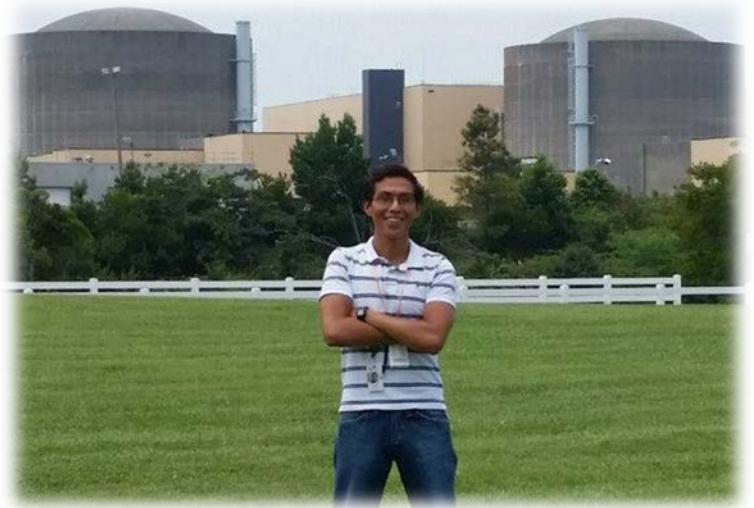
Benjamin Franco

Who am I?

I am studying Electrical Engineering at Wentworth Institute of Technology and will graduate in August of 2016.

My area of academic emphasis is on motors and control in addition to embedded computer systems. I have taken additional electives in power system analysis and have been able to apply my knowledge in that area at Duke Energy as a Systems Engineer intern.

I also dabble in electronics and will be working for EMC Corporation as a hardware qualification engineer this Spring of 2015.



Why did you choose to study engineering and the power engineering field?

I chose engineering due to a natural desire to figure out how things worked and pleasure in taking things apart (even though they may not be able to get put back together!). My ability to succeed in calculus and physics in high school also pushed me into making the choice to study electrical engineering.

I chose the power engineering field because of a family friend who emphasized the demand of power engineers; he himself a controls engineer in the industry. I also noticed how power engineering takes more than a 9 to 5 job in a cubicle in front of a computer; at times you need to go out and see what the problem is and that's where the fun truly begins.

What do you love about the power engineering field? What excites you about being involved in the PE field?

I love the power engineering because of how it has such a deep history and is unchanging. While we struggle with new changes in technology such as electric vehicles, battery storage systems, and renewable energy, there is a need for a new generation of power engineers to work alongside the veterans to learn how to combine the new and the old. This duality is what excited me in the PE field.

How has been selected as a PES Scholar impacted you?

Since I was selected to be a PES scholar my young career in engineering has truly taken off. Due to the scholarship I was able to go out of state to be a systems engineer intern at Duke Energy. I was able to gain valuable experience and become a highly desirable candidate in many fields of engineering since then .

PES Scholar Profile – Frank Garcia

Name

Frank Garcia

Who am I?

I am a junior studying Electrical Engineering at California State Polytechnic University of Pomona. Before graduating in Spring 2017, I am exploring the power engineering field, intending to enroll in class electives pertaining to power. I am also developing interest in control systems and wish to increase my knowledge and understanding through books.



Why did you choose to study engineering and the power engineering field?

With a family background of engineering and creativity, I decided to follow both my father and brothers' footsteps. I am majoring in Electrical Engineering because of my aspiration to understand and create solutions for the future. I want to share my knowledge and understanding by becoming a mentor to students early in high school and college. Once I become a professional engineer, I will give back to the community and increase their awareness of their ability to excel in STEM fields.

What do you love about the power engineering field? What excites you about being involved in the PE field?

Power engineering offers understanding of domestic and commercial use of electronics coming from engineering. Learning about generation, transmission, and distribution of power bridges the gap of knowledge between the basic use of our home appliances and understanding how they work with electricity.

How has been selected as a PES Scholar impacted you?

Being selected as a PES Scholar has given me tremendous confidence in pursuing a degree in Electrical Engineering. I am grateful for the extended assistance and opportunities in helping me find internships or careers in power engineering as well as offering me a mentor to shape my professional development.

PES Scholar Profile – Anthony Gaskill

Name

Anthony Gaskill

Who am I?

My major is Electrical Engineering with an emphasis in Power & Energy. I graduate from Oklahoma State University in the Fall of 2014.



Why did you choose to study engineering and the power engineering field?

I chose electrical engineering after participating in a pre-engineering course at Tri-County Technology Center in my hometown of Bartlesville, Oklahoma. I enjoyed completing open-ended design projects, basic programming, building small robots, and overall logical thinking/reasoning. After coming to OSU, power engineering found me. I was applying for internships and found a co-op at American Electric Power (AEP) in Tulsa, OK as a Station/Protection & Control intern. From there, I continued my studies at OSU, changing my emphasis to Power & Energy. The following summer, I completed another internship with AEP as a Protection & Control Field Operations intern. During my final summer as an undergraduate student, I interned in Kansas City, MO with Burns & McDonnell as a Substation Engineering intern.

What do you love about the power engineering field? What excites you about being involved in the PE field?

After the power engineering field found me, I found that I enjoyed several aspects of it. Primarily, I enjoy the scale of projects that I have worked on in my internships. Rather than the minutia of digital electronics – which I frequently worked with as an Electrical Engineering student – projects have a much broader scope. Power engineering involves planning large-scale power systems, designing projects with more tangible parts, and collaborating between design engineers and workers in the field. I have found myself naturally drawn towards the project management portion of engineering, as I enjoy working on the technical side of project, but also enjoy scheduling, managing/overseeing other aspects of the project, and keeping all the details of a project documented. Power engineering lends itself very well to this project management role. It is also very exciting to be a part of upgrading and maintaining the United States' rapidly deteriorating power grid. These types of upgrades were the core of my internships with American Electric Power and Burns and McDonnell. I led projects to replace breakers in older substations as well as helped with the drawings to install fiber optic communication panels in new substations.

How has been selected as a PES Scholar impacted you?

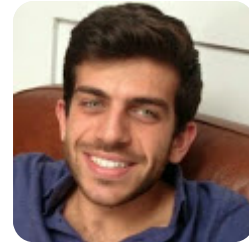
Being a PES Scholar has affected several aspects of my undergraduate career. Firstly, and most importantly, it has allowed me to complete my time at OSU without taking out student loans. Being debt-free has been the long-term goal for my undergraduate career. At the time of writing this, I am four days away from graduation and have not taken out any student loans.

The PES Scholarship has also benefited my life outside of academia. In the spring of 2014, I travelled to Italy through the engineering college's study abroad program. We visited a car manufacturer, wineries, and other engineering-related sites. I also travelled to Puebla, Mexico to bring several student-made robots to a competition at another university. Without the help of the funding provided through the PES Scholar program, I would not have been able to have these study abroad experiences.

PES Scholar Profile – Dany Haddad

Name

Dany Haddad



Who am I?

I am studying electrical engineering at the University of Texas and graduate this coming May (2015). My field of interest in electrical engineering is electric power systems. I am excited to work on technologies that will bring about a more reliable and resilient power grid.

Why did you choose to study engineering and the power engineering field?

I have always known that I would become an engineer. As for power systems within electrical engineering, I made the decision based on how inspiring a problem it is to work on. So many people's lives can be dramatically improved by reliable access to electricity. It is this idea that drives me to work hard in the field.

What do you love about the power engineering field? What excites you about being involved in the PE field?

I love how multidisciplinary the field is. There are all kinds of problems and topics that can be studied and applied to it. I also enjoy the scale of things and the impact it all has on people's lives.

How has been selected as a PES Scholar impacted you?

I have been able to focus on my studies and allocate more time and resources to that endeavor. The career resources provided to me helped me find jobs that I would be interested in. Overall, being selected a PES scholar has lifted a lot of stress off of me so that I can focus on succeeding as a power systems engineer.

PES Scholar Profile – Jamie Howard

Name

Jamie Howard

Who am I?

Major in Electrical Engineering, Power Systems

Graduation - June 2015

Drexel University

Other areas of interest:

Travel, Music, Marathons, Spanish, Portuguese, Clean Energy, Public Health



Why did you choose to study engineering and the power engineering field?

Advancing current technology in power engineering is a way for me to use my natural skills in math and science and apply them to solving current and upcoming energy challenges. In addition to my personal drive in the area of power engineering, I am very curious and love problem solving. I am excited to devise real solutions that will maximize the world's resources in the most progressive way.

What do you love about the power engineering field? What excites you about being involved in the PE field?

Living with intermittent electricity and running water during a six-month engineering internship in Mozambique, I felt first-hand the ramifications of not having a reliable power supply. This experience has further driven me to study power systems at the university level, and has kept me inspired to work in the power industry. The power and energy industry is facing huge changes in the upcoming years, and with these changes comes vast opportunity. I am eager to take advantage of these opportunities and contribute to intelligent solutions that are both sustainable and ethical.

How has been selected as a PES Scholar impacted you?

The PES scholarship has helped support me in my goals to become an active participant in the energy industry. I've been able to leverage resources at the university level and also acquire relevant work experience. Upon graduation, I'm excited to continue learning and working in the quickly changing world of energy.

PES Scholar Profile – Zachary Langbartels

Name

Zachary Langbartels

Who am I?

Major: Electrical Engineering

Minor: Thermal Fluids

Graduation: Spring 2016

School: Rose-Hulman Institute of Technology

Why did you choose to study engineering and the power engineering field?

I was drawn to engineering because of the lucrative job market and because it was advertised as being a great choice for high school students that are good at Math and Science. As I learned more about engineering, as I learned how much problem solving is involved, I was even more excited to be an engineer one day. Power was the most appealing field because I became more aware of how much I took electrical power for granted. I was driven by curiosity to understand power more and more.

What do you love about the power engineering field? What excites you about being involved in the PE field?

The reason I love power engineering is the same reason I wanted to learn more about it, a lot of people take it for granted. During my internships at utility companies I learned just how many roles power engineers have in producing and delivering reliable and affordable electricity, both as utility employees and as industry services. While I wish the hard-working men and women in the power engineering field got more credit, there's something beautiful in the industry of electricity, all of the power engineers working together to deliver the energy that makes our modern lives possible feels very rewarding.

The most exciting thing about power engineering is the time we live in. New frontiers are on the horizon and Power Generation and Delivery may look completely different in 20 or 30 years. There are several exciting developments in power and energy tech and I pay close attention to news related to it. I have the opportunity to be part of these changes and that excites me the most.

How has been selected as a PES Scholar impacted you?

Being selected as a PES Scholar has not only helped me financially, it has also given me confidence that I made the right decision to become a power engineer.

PES Scholar Profile – John David Martinsen

Name

John David Martinsen



Who am I?

I am an Electrical Engineering Student at Washington State University with an emphasis in Power. I will be graduating in Fall of 2015.

Why did you choose to study engineering and the power engineering field?

Initially my interest in a career in the power industry came through my father, who is also an electrical engineer in the power industry. However through researching the power industry I became aware of how important a reliable electric power system is to modern society. I also gained insight into the many new challenges facing the power industry and the opportunities they present for a motivated and technically trained individual.

What do you love about the power engineering field? What excites you about being involved in the PE field?

What I find the most exciting about the power engineering field is how much there is to learn and how important it is to many different people. I have interned at my local utility for the past two summers and in that short amount of time I have extended my knowledge of power systems vastly. Replacing and upgrading the current power system makes me excited because I am helping out my community and improving the lives of the people who use it.

How has been selected as a PES Scholar impacted you?

I am very privileged and honored to be selected as a PES Scholar. Being selected has impacted me by making it easier to pay for college. The money from this scholarship has helped me to pursue my dream of getting my electrical engineering degree. This scholarship has also impacted me by placing me into a community of experts and students in the same field. With this scholarship I have been able to receive internships in the power engineering field and has allowed me to gain experience in the industry.

PES Scholar Profile – Thomas Myres

Name

Thomas D Myres

Who am I?

I am an electrical engineering major with an emphasis in power engineering. I will be graduating in the spring of 2015. Nuclear power is my intended field of work as I have accepted a position at Nextera Energy upon graduation.



Why did you choose to study engineering and the power engineering field?

In our effort to be energy independent power engineering is an important field if we are to become an energy independent nation.

What do you love about the power engineering field? What excites you about being involved in the PE field?

While the nuclear power plant I will be working at is aging, I believe nuclear power will make a comeback. Nuclear power is a reliable cost effective energy source, now and in the future.

How has been selected as a PES Scholar impacted you?

Receiving any scholarship is an honor. The PES Scholarship is one that is special to me. My dad has worked in the nuclear power industry for over 30 years. He is an ex-Navy nuclear electrician. He was one of 6 children so his parents did not have the money for him to go to college. He went the U. S. Navy route. I feel honored that my parents helped me prepare for college and supported my efforts to graduate. The 3 year PES Scholarship is helping me graduate while being almost debt free.

PES Scholar Profile – Herve Nyirinkwaya

Name

Herve Nyirinkwaya

Who am I?

Electrical Engineering 2015

University of Pittsburgh

Power Concentration

Nuclear Engineering Certificate



Why did you choose to study engineering and the power engineering field?

I chose to study engineering because I have always been fascinated with the how things work and how they fit together. Electrical Engineering is provided me with the common link to the almost every process in existence today. Power requirements. It is fascinating to see what can and can't be done because of the power required and how to respond to such challenges with power analysis studies and power electronic innovations.

What do you love about the power engineering field? What excites you about being involved in the PE field?

I love that there is still so much that can be done in this field. Some of which is of monumental impact to the way we live our lives today, In addition to power generation, better storage and fast and efficient distribution will revolutionize the energy industry.

How has been selected as a PES Scholar impacted you?

Being a PES Scholar has opened a variety of networking opportunities in the industry and means of learning about current ground breaking projects as well as understanding the Power and Energy industry in general.

PES Scholar Profile – Emily Pankosky

Name

Emily Pankosky

Who am I?

Electrical Engineering with a Minor in Mathematics
Northeastern University class of 2017

Academic and professional interest in radar and radio frequency engineering other areas of interest include aeronautics and aerospace engineering.

Why did you choose to study engineering and the power engineering field?

In high school I loved taking physics and calculus courses and wanted to continue studying similar topics. I also wanted the opportunity to put my creativity to use in design and problem solving scenarios. Engineering is for me the perfect blend of these attributes. Specifically, I chose to pursue power engineering after completing a 6 month long co-op at Communications & Power Industries where I worked on receiver protector units for radar systems.

What do you love about the power engineering field? What excites you about being involved in the PE field?

During my co-op, I had the opportunity to experience first hand what the power engineering field is like. I found the work that I was doing to be extremely interesting and challenging. After completing my co-op I have decided to further this interest by taking courses in which I can learn more about the different types of power engineering.

How has been selected as a PES Scholar impacted you?

Being selected as a PES Scholar has validated my career choice as an electrical engineer. It has bolstered my motivation to be successful both academically and professionally. In addition to this, becoming a PES Scholar has encouraged me to pursue on-campus undergraduate research at Northeastern University as I want to take every opportunity available to me to further my education as an electrical engineer.

PES Scholar Profile – Steven Rosen

Name

Steven Rosen

Who am I?

Major: Electrical Engineering

Graduation Year: May 2016

School: Clemson University

Emphasis: Power, Electronics

Other Interests: Business, Wrestling, Guitar



Why did you choose to study engineering and the power engineering field?

I found out that I wanted to study electrical engineering when I took a digital electronics class my senior year in high school. I became so fascinated with the class that I decided to study electrical engineering instead of pre-med. I became interested in the power field when I received this scholarship and accepted a co-op with a power company, Santee Cooper.

What do you love about the power engineering field? What excites you about being involved in the PE field?

My main interest deals with electrical motors and renewable energy. My goal is to make a difference in the world by improving the quality of life and creating power solutions in third-world countries.

How has been selected as a PES Scholar impacted you?

It has given me more confidence and determination to learn more about power engineering and getting one step closer to my goals. College tuition is increasing every year so receiving a great scholarship like this really helps.

PES Scholar Profile – Mary Scherer

Name

Mary Scherer

Who am I?

Major: Electrical and Computer Engineering, Minor: Humanitarian Engineering, Graduation Year: Spring 2017, School: The Ohio State University. I plan to specialize in power and am actively involved in several engineering service clubs. I never want to stop using my specialized skills as an engineer to help people.



Why did you choose to study engineering and the power engineering field?

My father always told me, "If you want to save a life become a doctor. If you want to save the world become an engineer." On trips to El Salvador and Guatemala, I saw the state of the power grid there and the enormous number of people without safe and reliable access to electricity. I then resolved to return to Central America with my degree in Electrical Engineering to fix the power grid and provide electricity to the people there.

What do you love about the power engineering field? What excites you about being involved in the PE field?

I love the potential that the power engineering field has for improving the world and serving others. I am excited to be involved in the PE field when I see the lack of safe and reliable access in other countries and know that as a power engineer I will one day be able to contribute to fixing that problem. Electricity is something that US citizens take for granted, but is much need and not readily available across the globe.



How has been selected as a PES Scholar impacted you?

With the death of my father in 2011, having three children in college became a huge financial burden on my family. Then my brother and I were both selected as IEEE PES Scholars. These scholarships have enormously impacted my family and me. The IEEE PES Scholarship and John W. Estey Scholarship that I received will allow me to graduate with my degree in Electrical Engineering without fear of an insurmountable pile of college debt. I can achieve my dreams of becoming a power engineer at a highly ranked university without burdening my family or hindering my future.

PES Scholar Profile – Julia Truong

Name

Julia Truong

Who am I?

Provide your major, graduation year, school - highlight your area of academic emphasis, list other areas of interest.

I am currently a junior studying Electrical and Computer Engineer at Worcester Polytechnic Institute. My area of academic emphasis is Power Engineering, but field experiences with National Grid has also brought my interest towards Protection Engineering. Aside from school, I enjoy playing in WPI's orchestra!



Why did you choose to study engineering and the power engineering field?

I chose to study engineering because I'm constantly being challenged. Every day, I'm faced with a new challenge and it's fun to try to work them out. I love that the power engineering field directly affects people's everyday lives for the better. Society is so dependent on power, for example, to set an alarm, to make coffee, to get to work, to see at night, and etc. I love contributing to something where I can see a direct affect of my work!

What do you love about the power engineering field? What excites you about being involved in the PE field?

The Power Engineering field is a field that is constantly innovating with new technology, specifically renewable energy. I love that I'm constantly learning. It never gets boring!

How has been selected as a PES Scholar impacted you?

Being selected as a PES Scholar has brought to light for me all of the innovation and research being done in the field. It inspires me and makes me proud to be a power engineer. Being a PES Scholar has also provided me with resources, such as job listings and webinars, that have helped me along my career!

PES Scholar Profile – Myder Vang

Name

Myder Vang

Who am I?

Electrical Engineering

Spring 2015

Michigan Technological University

Power Engineering



Why did you choose to study engineering and the power engineering field?

I developed an interest in power by competing for a high school co-op with Consumers Energy in the 10th grade. My work experience every summer continued to excite me as I learn how the complex and vast power systems work. Later, I discovered this is what I want to do for a living!

What do you love about the power engineering field? What excites you about being involved in the PE field?

I love the good mixture of field and design work. Being able to see the physical components and connect them to symbols to design a better and more efficient system, keeps me excited. I am amazed by all the conveniences we have by utilizing electric power, and want to play a role in expanding and improving our systems as demand increases.

How has been selected as a PES Scholar impacted you?

The PES Scholarship has open doors for me to further pursue my career in power engineering and learn more about the ever-changing power industry. Thank you, words cannot express my gratitude.