

Florida West Coast Report

Teacher In Service

August 11 2022

Sean P Denny
TISP Chair
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Recent Activities

STEM Champion

■ **Sean Denny is appointed IEEE STEM Champion now through March 2023**

- As an IEEE STEM Ambassador for 2022/2023, your responsibilities are:
 - Conduct two (2) STEM outreach events (in-person or virtual) between now and 27 March 2023
 - Share your event in vTools (a review of the process will be provided next month) by 27 March 2023
 - Share your event in vTools by 27 March 2023
 - Promote IEEE's pre-university education programs
 - Help build IEEE's pre-university STEM outreach volunteer community



EVENT FLYER

**ELECTRIC VEHICLE
& ENERGY EVENT**

**Get together to discuss Energy and learn
about Electric Vehicles!**

The SPC Engineering Technology, Manufacturing and Building Arts program will present a series of speakers on energy-related topics and activities, including an electric vehicle show and displays from local companies which illustrate energy's creation and use.



SPC CLEARWATER CAMPUS

September 1, 2022
10 AM - 2 PM AND 5 PM - 8 PM
2465 DREW ST., CC BUILDING, CLEARWATER, FL



For more information and to register for this event, scan the QR Code.

Contact Sidney Martin at martin.sidney@spcollege.edu if you have an electric vehicle you would like to show.

[HTTPS://WEB.SPCOLLEGE.EDU/SURVEY/33844](https://web.spcollege.edu/survey/33844)



- IEEE FWCS Members will be speaking between 5 and 8pm

I saw that you are the IEEE STEM Ambassador for our chapter. I have been an IEEE member for close to 40 years, and am a past chair of the Providence, RI chapter. I am the Program Director for Engineering Technology at St. Petersburg College.

I am putting together an event in Mid-August and need help finding speakers to talk about energy. The goal is to educate students about Power generation and energy creation. The talks are to be at a high level and the attendees would be middle school, high school, and freshmen and sophomores in college. Would you have any members that would consider speaking at the event either during the day or early evening?

Also, I am looking to have an electric vehicle event where people would bring an electric vehicle they use personally for work or at home. The goal would be to set them up so that students could look at what the vehicle propulsion system looks like.

I expect the event will be either August 16th, 17th, or 18th, 2022.

I will provide more information once we make contact.

Have a great day,

Sid



Sidney Martin, Ed. D., PE, PMP

Program Director

(He/Him/His)

Engineering, Manufacturing, and Building Arts

St. Petersburg College

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*Introduction to Energy
September 1, 2022*

Saint Petersburg College, CC Building, 2465 Drew Street, Clearwater, FL

This is a call for speakers on topics related to energy. The speakers can address topics that they are familiar with and have a passion for sharing their knowledge and experience. The goal of this event is to develop an interest in students to consider studying engineering and related fields. The presentations can be 30, 45, or 60 minutes. If someone is willing to lead an activity that they are familiar with, that would be a great addition to the day. We can accommodate the availability of the speakers.

St. Petersburg College (SPC) will be having an event on September 1, 2022, to address topics in energy. There will be speakers who will address different topics related to energy. There will be speakers and activities between 10 am to 2 pm and 5 pm to 8 pm. We would schedule a series of speakers on energy-related topics and activities, including an electric vehicle show and displays from local companies which illustrate energy creation or use. This concept of the vehicle displays includes "Touch an Electric Vehicle" (companies bring electric vehicles, hybrids, and other electrified vehicles) for display (maybe we do not get to "touch" them), but they will be available for viewing.

There will be a Solar demonstration and other passive energy displays. The event is advertised to high schools/middle schools and will include SPC students, faculty, and families. The event will be open for participants and families to join us.

Time	Presentation	Presented by	Location	
10:00	Energy – the past	Dr. Sid Martin	CR - Courtyard	
10:30	Energy- Electricity and Electronics	Dr. Andres Cardenas	CL-CR-191	
11:00	Energy- Electricity and Electronics	Dr. Andres Cardenas	CL-CR-191	Car Show
11:30	Energy – the future	Dr. Sid Martin	TBD	Car Show
12:00	Exploration		TBD	Car Show
12:30	Exploration		TBD	Car Show
1:00	Outside Activity – Ice Cream?			Car Show
1:00-1:30	Electric Vehicles – Past Present Future	Dr. Isaac Barpal	CL-CR-182	
1:30-2:00	Electric Vehicles – Past Present Future	Dr. Isaac Barpal	CL-CR-182	
2:00-2:30		Shankar Karki		
2:30-3:00		Shankar Karki		

5:00 pm	Introduction	Dr. Sid Martin PE, PMP
5:15 pm Here is the order for the evening's events:	How many people does it take to turn on a light bulb?	Mr. Robert DeMelo
5:30 pm	How many people does it take to turn on a light bulb?	Mr. Robert DeMelo
6:00 pm	Energy – Electrical and how it is distributed	Mr. Jacob Chacko PE,PMP
6:30 pm	Energy – Electrical and how it is distributed	Mr. Jacob Chacko PE, PMP
7:00 pm	The Limits of Renewables and Baseload Energies	Dr. Chuck Hawkins
7:30 pm	The Limits of Renewables and Baseload Energies	Dr. Chuck Hawkins
8:00 pm – 8:30 pm	The Limits of Renewables and Baseload Energies	Dr. Chuck Hawkins
8:30 pm – 9:00 pm	Wrap Up	Dr. Sid Martin

