

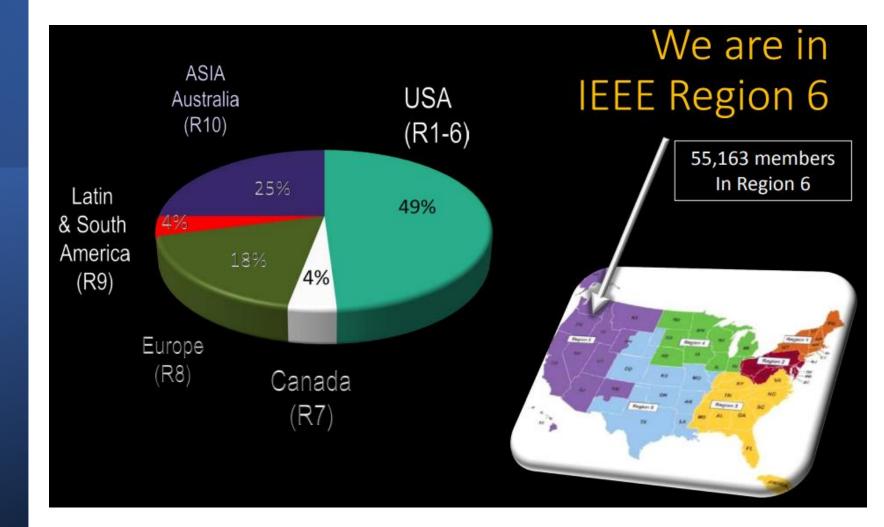
Volunteer Appreciation Banquet 2022

Momin Quddus, Chair

March 30, 2022



IEEE is one of the largest Professional Organizations in the World



IEEE BV Section Geographic region



Buenaventura Section represents 10 societies and 1 Affinity Group

IEEE Societies	
 Aerospace & Electronic Systems Antennas & Propagation Broadcast Technology Circuits & Systems Communications Components, Packaging, & Manufacturing Technology Computer Computer Computational Intelligence Control Systems Dielectrics & Electrical Insulation Education Electromagnetic Compatibility Electron Devices Engineering in Medicine & Biology Geoscience & Remote Sensing Industrial Electronics Industry Applications Information Theory Instrumentation & Measurement 	 Intelligent Transportation Systems Lasers & Electro-Optics Magnetics Microwave Theory & Techniques Nuclear & Plasma Sciences Oceanic Engineering Power Electronics Power Engineering Product Safety Engineering Professional Communication Reliability Robotics & Automation Signal Processing Society on Social Implications of Technology Solid-State Circuits Systems, Man, & Cybernetics Ultrasonics, Ferroelectrics, & Frequency Control Vehicular Technology

Affinity Groups

- Consultants Network
- Life Members
- Women in Engineering
- Young Professionals
- coming up: Entrepreneurs Network

IEEE- BV Section Mission

- Mission-Enhance the careers and enrich the lives of our members
- Improving our members knowledge in technologies thru Technical talks
- Mixers for networking

Home - IEEE Buenaventura Section (www.ieee-bv.org)

- Helping our members find employment opportunities Jobs - IEEE Buenaventura Section (www.ieee-bv.org)
- Provide a platform to contribute to our community.

Chapter Meetings and Technical Talks

In 2020

BV Chapters organized 15 technical talks, 8 of which were inperson and 7 were virtual due to the pandemic

In 2021

BV Chapters organized 40 virtual lectures.

Some of these lecture were organized local speakers.

Others were co hosted with organization such, as Keck Institute of Science, Caltech Program Office, SETI, Planetary Society of OC and MTTS.

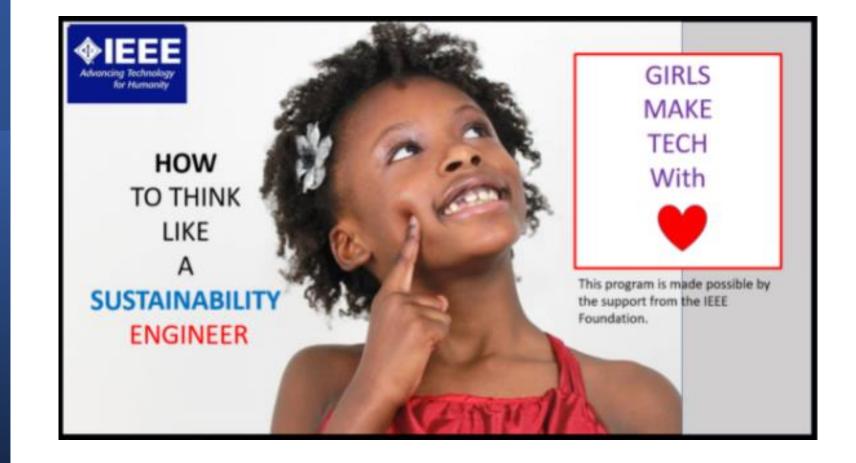
Mixers for Networking

In 2020

BV Section organized 2 in-person mixer events prior to the pandemic

Happy to say we are BACK!!!

Provide a platform to contribute to our community.



Girls Make STEM with Heart

IEEE Buenaventura Section

Deron Johnson



Girls Make STEM – Thousand Oaks

- October 2021
- This was our 6th year, introducing middle-school girls different facets of STEM.
- Students chose from workshops on chemistry, circuits, ham radio, light, robotics, solar energy, or math and numbers.
- Parents could attend a program with a mix of hands on experiences, and discover the future that awaits their daughters in STEM.
- Volunteers were a mix of IEEE members and people from other professions.
- 114 students, 50 parents, 30 volunteers







Girls Make STEM – Santa Paula

- Last Saturday!
- This was our 7th year, and first time in Santa Paula, at Isbell Middle School.
- Students chose from workshops on chemistry, circuits, or gravity and magnetism.
- 62 students, 18 volunteers.
- Outstanding support from the school for the first time at their location.







Thank you

Amelia Aboujawdah Audrey Askegard Doug Askegard Pia Atal Kirstie Bellman Noreen Camacho Susan Camarena Meta Davidson Dan Demaggio Narda Fargotstein Paul Fargotstein Suzanne Fisher Nathalie Gosset

Bonnie Hames Ken Hesson Stacy Hunter Deron Johnson **Emily Johnston** Tom Johnston Branka Jokanovic Ashley Kuhnley Chris Landauer Victor Lin Cindy Martin Pat McCombs

Momin Quddus S K Ramesh Laphatrada Richards **Bob Rumer** Sana Sarfraz Chuck Seabury Sri Priya Sundararajan Mohammad Tehrani Shahin Soltanieh Tehrani Howard Turner Lily Weaver Victor Zeng

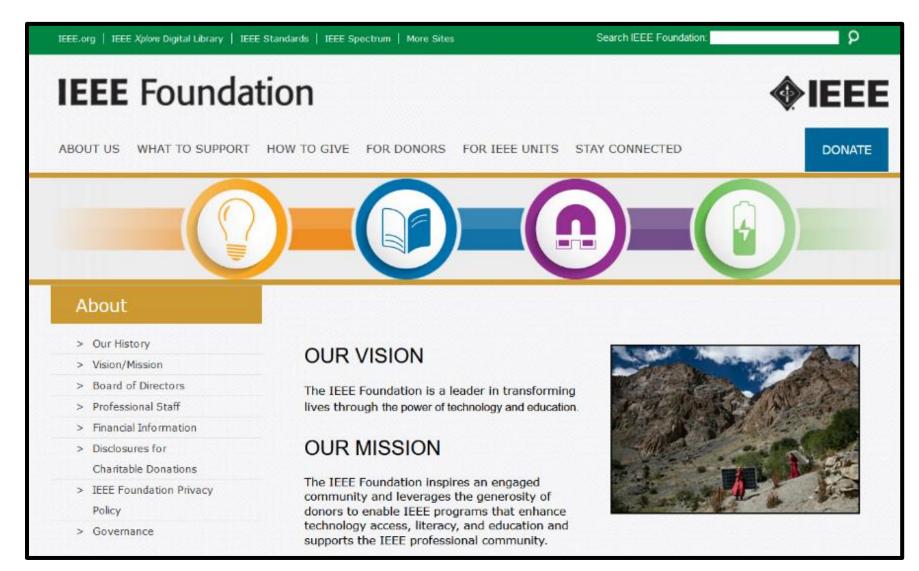
Buenaventura Section Sponsored First Lego League Robotics

> -Lead by Bob Rumer



The IEEE Foundation

-Nathalie Gosset



Granted to the Buenaventura EMBS Chapter



CHOOSE TO BECOME A BIOMEDICAL ENGINEER! Roadshow for 7th graders

IMPACT:400 middle schools / 7,000 students2007 EMBS Best Chapter of the Year

LEGACY: The Engineering in Medicine and Biology Society filmed a documentary about THE Buenaventura EMBS chapter initiative.

Reference: https://slideplayer.com/slide/2523816/



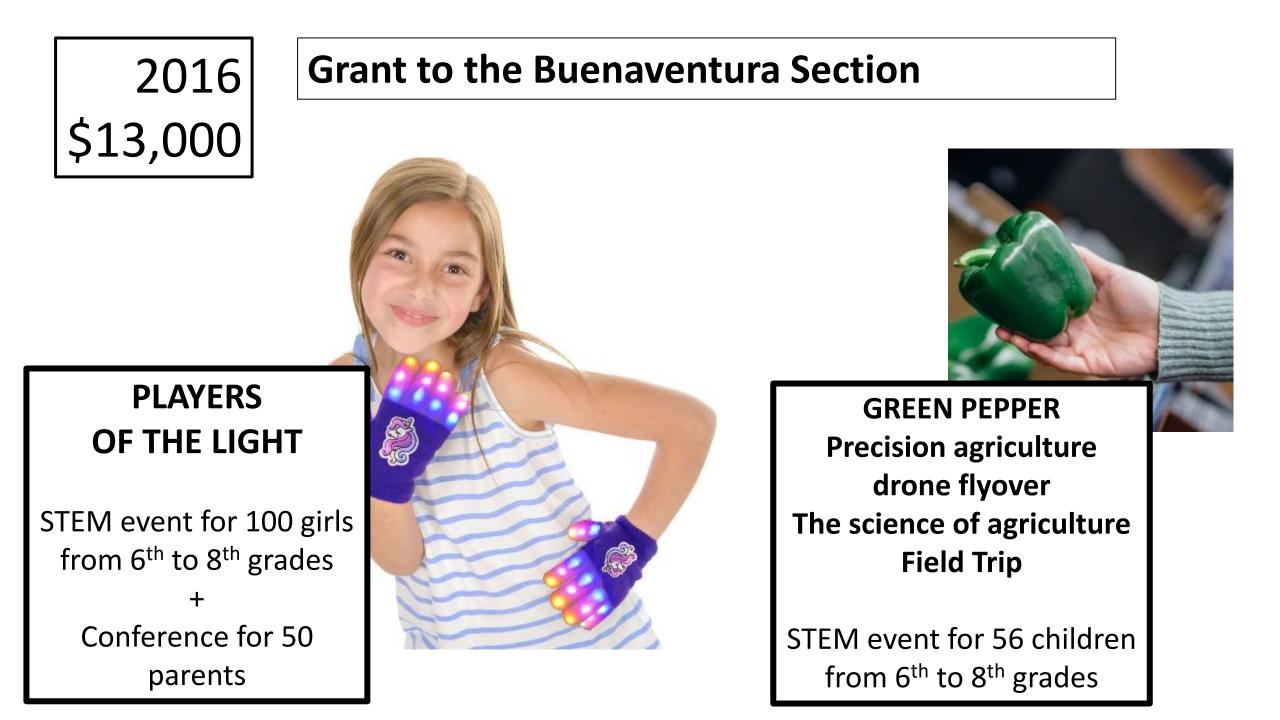
EMBS roadshow



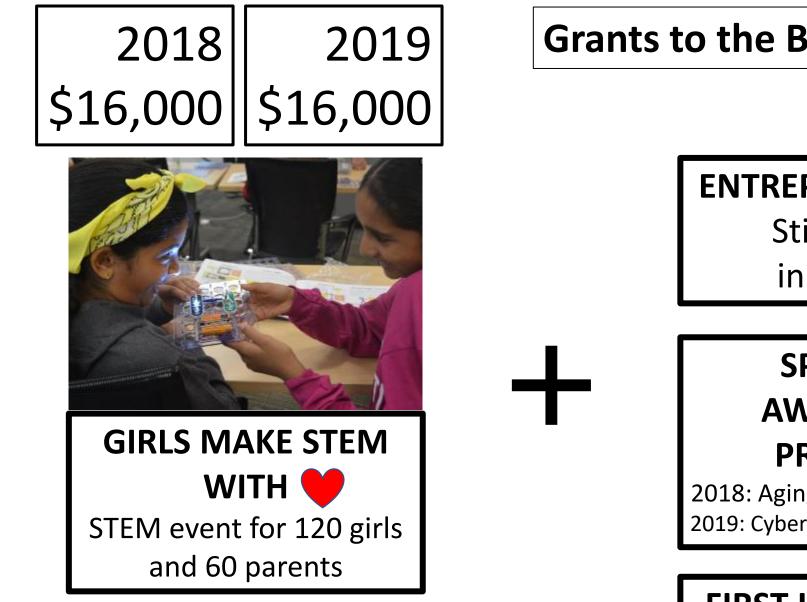
 Cal Lutheran **University Students** -Joshua Lee * -Thomas Estus * -Gregory Johnson * -Stephen Roberts * -Corey Russo * -Abigail Corrin

BEST CHAPTER ENGINEERING IN MEDICINE & BIOLOGY SOCIETY

2006



2016 IEEE REGION 6 OUTSTANDING SECTION OF THE YEAR



Grants to the Buenaventura Section



Stimulating innovation



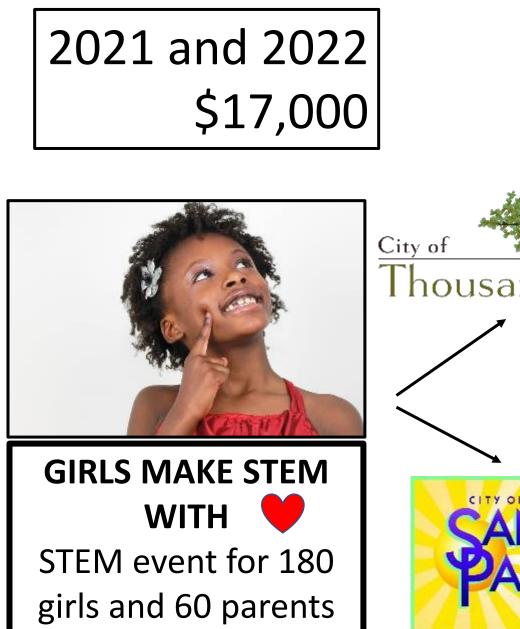
SPEAKERS AWARENESS PROGRAM

2018: Aging gracious with Tech 2019: Cybersecurity

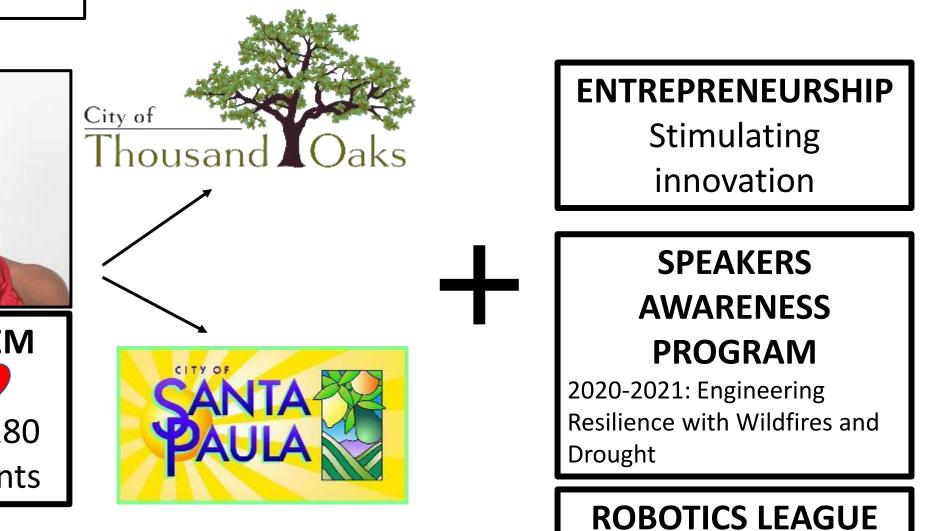
FIRST LEGO LEAGUE

2019 SECTION PROFESSIONAL DEVELOPMENT AWARD FROM THE IEEE EDUCATIONAL BOARD





Grant to the Buenaventura Section



IEEE Foundation Grant

Buenaventura Section was awarded IEEE Foundation grant to raise awareness of 'Sustainability Engineering' in the community.

20 outreach events were held to promote sustainability engineering.

Foundation Grant Events



Pre-registration required at www.iece-biolog/meet/2021-09-drought

Extreme Weather: Drought Medaling the Alaks of Climate Variability

In committe Deverser's research goals reade in understanding how large scale climate unitable; responds to changes in climate. Now we can improve the information of chana changes using procedurate activities, and using that information to improve the representation of climate security in climate endeds, in this table, the between will have what estables readers made allocal megatitivity to ends

Speaker: Samantha Stevenson, Ph.D.

ented at the National Clerine for Annarghenic Tenanth (MCAT) and was an NOE Gene

approximent having been univoted for the grant degreeping feetbase to drought and Hillighter.



Disentanging What Changes Our Forests

or own bother bother insultant substance what means our remute listent locally and by least blocks, social ingeneral substance, linear ingenesis our watch conservations of the linear linear blocks, social ingenesis substances. Their million distribution is publicitient framework linear linear blocks and linear substance is assume in many linear or assumed in through watching linear linear linear and/out assumed in the substance framework linear linear linear linear linear and/out assumed in the substance linear linear linear linear linear linear linear and linear and linear constraints linear li

Speaker: Joan Dudney

interest plant substruction, and graded change drivers, including laters, sattingers, drought, and line

the start degraphing Randania to Decision and children





Date and Time: Tues July 15, 2021, 7 PM Pre-registration required at https://www.inne-buorg/meet/3021-07-surrowng

Surviving Disasters

Being Part of The Solution, Not the Problem e includinatiopartical de readil provide electrical, supply, gat, mobile communications, water, and boo any disesters, rest, sur survival and escape pairs take must of these for general, in this tail, itsue spore harke his reflections from being frozien the some au disasters antile, doouses, or foreseen challenges feed by burnaux, feedaa, service, das during conservations, and inclusions and more any endower our antileges is assort burness anti-hit das 1. Me.

Speaker: Ross Kocen

has have, WENT, MID, Mide, Guarda Director First en income Taxing, is are the based of RCDP Biotecen todarys Consults for forecaptive, Parametersky, it et al. the breakest of the Villey consult Column of the VID (Posenge Conservation of Mather (Messimulti, it is to a tess or Advanced Based Column of Mather and State (Mather and State), it is a state of a state State (State) and State (State) and State (State) in Receiving, the completion an intervalue from/Rescue course to debrication ul Severgensis Salley Sale Institutes. Ross is a PADI Rossan Bren and an adden member o Hy Meskul Reserve Carp, and the Thousand Oaks DART (Shanke Asamanic Respire)

nors; In gragine is made prodific by the consert from the UTE fixedistron, and the UEE Representation



Wed July 21, 2021, 6 PM (Online) Register at [link for yethes]

Electrical Vehicles (EV) Technology and its Implications on Climate Change

Speaker: Momin Quddus

astrony cars ha 1004 artisting 15 countries that have half a to deaters in sharing draw detail warning with brack there is addition. In without on interest

eterm Steller, UEI for Meeriker, is the Sectors (Data of the GEI Researching Sectors) for URA the Acad Talance Science, in Sectors of the Acad Talance Science Science (Sectors) and Sectors (Sectors) and Sectors) and Sectors (Sectors) and Sectors (Sectors) and Sectors). Sectors (Sectors) and Sectors (Sectors) and Sectors) and Sectors (Sectors) and Sectors) and Sectors (Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors (Sectors) and Sectors) and Sectors (Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors (Sectors) and Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors) and Sectors (Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors) and Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors) and Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors) and Sectors) and Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors) and Sectors) and Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors) and Sectors) and Sectors) and Sectors). Sectors (Sectors) and Sectors) and Sectors) and Sectors) and Sectors) and Sectors). Sectors (Sectors) and Sectors) and Secto

This program is made parallite by the suggest from the IEEE Foundation and the IEEE Barmanetters Jaction approxime intering lowers selected with the grant Degenering Realisms to Decayle our Wildfres.



RainCube: First Spaceborne Radar in a CubeSat

tated on Restantion 18, 2020 by Harner Goolday Rendules ISSE HTTE Charter 4-21-2222

Abstract inCube to a technolo tration master is make to baid one

Cube non-inumbed to (SS as part of Elafor23 resupply minister on Pay 21, 2018 and east depl A Crist From 205 on July 13, 2016. In full of 2018, while the first two matthe of minister sparse Cube achieved mission automs by demonstrating to twivel ministurized tailar architecture and dephy

serve is some analyzement. The mission has since been extended multiple times

In presentation gives an sourceven of EXTO and the INVEST program, Informat by details of lisencular activity than concentration through neurons and activity of indefinition. In our present they activity results around hermond from two searcs of apprecisions and activity of our horizontary of upporting apportantias that a maintail by the deterministrate activities and activity on and the transmission of upportential that the About the Sexaher

stardarits

NUMERABANET. IN June SANA Is Propulses Lakenstory's fashe Science and Deposing section in 2015. The is a final deposite in Basic Diplicit plateries grand, Basic Lie and Har Ying M, Consens, Afer Human Science Science Science (Science Science), Science Science Science Acatemeters for Acatemeters in Science Science

The Modular Airborne Fire Fighting Suttern, or MATPS, is a self-contained apparatus (pedic) into

130 transport category aircraft for the surpose of dispensing fire retardant while in-5 ght. The 320 transport company warren for the surgeout of depending the metalet while i = 0 ph The scape web papers of this binding content, webcase and particle we will depend the transport of transport of the transport of the transport of the transport of transport of transport of transport of the transport of the transport of the transport of the transport of transport of transport of transport of transport of the transport of transport of the transport of transport

Colonel Bryan K. Allen (vertrad) served as Commander, 145th Operations Group, Channel Colonial Infrastiti. A Allania Junicia si investa ai Commondo - 1481: Operati nei Survey, Ohaveni Marcia Santa Colonia ai Common al Commondo - 1481: Operati nei Survey, Ohaveni Nei Santa Coloniario, Inter An Alexecci Garanzia, esta the Luine Garanzia. Al menet 20 persententi esta par-sima parcentari and aux responsibiles for thirti a spachnese and fue di Santa 20 persententi esta par-sima parcentari and aux responsibiles for thirti a spachnese and fue di Santa 20 persententi esta par-sima parcentari and aux responsibiles for thirti a spachnese and fue di Santa 20 persententi esta parcentari and auxiliari anti al common al common al common sentatura nei AMIRCE Internationale di Common al common al common persentaria a mentari ori the origeneta Garanzia forta Common al common al common antariariari esta MARTE Internationale di testa forte agrante di Common antariariari esta MARTE Internationale di common al common al common antariariari esta MARTE Internationale di la common al common al common antariariaria esta MARTE Internationale di la common al common antariaria esta MARTE Internationale di la common al common antariaria esta MARTE Internationale di la common antaria esta di la common antaria esta di la common antaria esta d

mission set for over 25 years and is considered a national expert in military fixed-wing serial

his chillion career. Colonel Allen is employed by American Aktines, has served as Capitain on the ne onnan carver, curoren Anen is improved by enteriori Antone, nes arreed as capters on the Boeing 737 and curverity an Price Officer Pring the Boeing 737 to incomational destinations i. California netwa and Itle-Iong Venture Dourty resident, Coloreil Allen grav up in the Cone o Valle

This program is made possible by the support from the ISS foundation, and the ISSE Baeswannum Section agarecists having been selected with the grant Engineering Resilience to Drought and Wildfires.

frefighting, the has military experience in tactical sinifi, second cal execution, serial stance, senal finefighting, and drug interdiction. Colonel Allen had been a citizen arman. In



Thu May 27, 2021, 6 PM (Online) Register at [link for webes]

Re-engineering Resilience to Wildfires Speaker: John R. Mount

- removes call a real assume the server galls (FPC Cred Tex to taplatistic 2020), the following server (1) and the server (1

John R. Mount assess to instance (attrack block for 12 years, managing the instance MONTE No. INFORMER wanter the statestists of different above the Paper, Pandage 16 non-structure REGISTRE user of partial and constrainty liberts and to the to late of diff of Panel statestig and the Found Energy and Paper in Synthety partials, states and interesting the different partial Constraints and Hermitian Statestic and the participation of the format statestig and the automatic activity and Hermitian Statestic and the state that the different participation of the statestic and the statestic activity and the different hermitian the statestic and an automatic and the Wildel's Statestic generational Panels (in Statestic activity and the statestic activity activity and the statestic activity activit

Electronics Plates and Bracket 10.00 Thu Aug 19, 6PM (Online) 11 22 Jun 10, 2020 - 7PM (Online) MAFFS: The Modular Airborne Fire Fighting System

The FarmBot: An Open-Source Robotic Gardening Machine

The Fermiliat is an esticulture robotic fermine machine which aims to "Oreste an open and The Function is an applicature tradies for many twicing which all with a large large many and executed is testing a single queries on the pair food of and grade grade. The function food and the single single queries on the pair food of and grade of the single single had pair pairs applied to them can add, spekte and modify the space source project hardware. GO models and streams can be added to other for the Film that source added to the space GO models and streams can be added to other for the Film that source added to the space GO models and streams can be and the out the for the Film that source added to the space addem source added the source to define and end to the space for the space space is and the source food the space for the space space is and the space for the space space is a space space is a space for the space space is a space space for the space space is a space space for the space space is a space for the space space is a space for the space space is a space for the space space for the space welcome to use our engineering designs to power their own Parmidot systems and tools. The Parmidot has 4 motors, two X-Axis motors, one Y-Axis motor and one 2-Axis motor and these motors are what power the movement of the tool head in the 30 space above the erdwine area. Learn more about the formitet at the presentation.

About the Speaker

Marc Roland is a Professional Engineer and the Director of Marketing, Sales and Balability Engineering at TerroSci. Marc will be going over the engineering details of the TerroBci.

This program is node possible by the support from the IEEE Foundation, and the IEEE Buenavertura Section appreciates having been selected with the grant Engineering Resilience to Drought and Wartleys

Section Officers (2020/2021)

Function	Name	
Section Chair	Momin Quddus	
Section Vice Chair	Doug Askegard	
Section Treasurer	Karl Geiger	
Section Secretary	Deron Johnson	
Awards	Doug Askegard	
Entrepreneurship	Jerry Knotts – Mentor	
Event Planning	Reza Faroozabadi	
Historian	Doug Askegard	
Membership	Reza Faroozabadi	
Development	Nathalie Gosset	
	S. K. Ramesh	
Newsletter Editor	Deron Johnson	
Professional	Doug Askegard	
(PACE)		
Student Activities	Nathalie Gosset	
	Bob Rumer	

Chapter Officers (2020/2021)

Chapter	Officers
	Mohammad Tehrani
Aerospace	Victor Lin
	Doug Askegard
Communications Society (COMSOC)	Victor Lin
	Deron Johnson
Computer	Don Thomas
	Karl Geiger
Electromagnetic Compliance / Consumer Electronics	
Electron Devices / Circuits and Systems (EDCAS)	Cristian Cismaru
	Bob Rumer
	Ryan Neimy
Engineering in Medicine and Biology (EMAG)	Joel Harris
	Pat Jacobs
	Reza Faroozabadi
Life Member Affinity Group (LMAG)	Jerry Knotts
	Momin Quddus
Microwave Theory & Techniques (MTT)	Chuck Seabury
	Rick Poore
Photonics	R. Sudharsanan
Robotics and Automation / Industry Applications (RAIA)	
	Stephanie Knotts
Entrprenuership	Darrell Gooden

Volunteer with Us

Get involved within your Comfort zone

Work with your fellow engineers

Contribute to the community

Socialize with your peers

Thank you

Looking forward to working with you in 2022!





















