Welcome

Burt Dicht, Director, Student & Academic Education Programs
Housekeeping

- All attendees have been muted upon entry
- Session will be recorded
- During the live Q&A, please raise your hand to ask a question
- Questions will be answered based on the order in which hands are raised
- You will be unmuted when it is your turn to ask a question
- If you prefer, you can type your question in the Q&A box, rather than asking it live
- When using the chat feature, please select “all panelists” from the drop down
Agenda

- Overview of Volunteer STEM Portal
- Demo of Volunteer STEM Portal
- Join IEEE STEM Community
- Q&A
Overview of Volunteer STEM Portal

Lorena Garcia, IEEE PECC Chair
• Launched in 2006 as a pre-university engineering education web portal
  ○ Resources for educators to assist them in bringing engineering and technology into their classrooms
  ○ Provides students with resources to prepare them for STEM Careers

• Resources include: Lesson Plans, STEM Fields, Meet an Engineer, Games, Find a University, Virtual Learning
The Challenge for IEEE’s STEM Pre-University Education Programs: A Fragmented Landscape

There are many volunteer-led pre-university STEM activities happening globally, but…

We do not know collectively what is being done across the institution. There is no:

- Place for volunteers to **SHARE** and showcase their effective programs with each other
- Set of STEM education **RESOURCES** from IEEE that volunteers can draw from when developing local STEM programs
- **IMPACT DATA** of our collective IEEE STEM efforts
Objective: Leveraging IEEE’s Global Communities

The Volunteer STEM Portal is a resource that employs the power of IEEE volunteer expertise, experience and range to drive STEM outreach.

To Engage and Impact as Many Students as Possible!

Features

- **Searchable library** of current STEM and pre-university programs (*developed by IEEE’s global communities and Partners*)
- **Resources** to support current or new STEM programs
- **Metrics and Impact** mechanism
- **Awards and Recognition** program
- **Development** grants (coming soon)

Volunteer Engagement

- **Ability** to share your programs
- **Find** a program to host/organize
- **Learn** best practices
- **Make** STEM connections
- **Build** a Local STEM community
- **Impact** as many students as possible
Mission and Vision

Mission:
Providing opportunities and resources for volunteer generated STEM activities to impact as many students as possible.

Vision:
Youth Will See Themselves as Someone Who Can Improve the World Through Engineering & Technology.

- Learning How to become a Technical Professional
- Increasing the Workforce Pipeline
- Connecting with Engineering & Technology Role Models
- Hands-on Practical Activities
- Real-Life Success in Engineering & Technology
The Envisioned Future

IEEE’s Global Communities: Engaged in Pre-University STEM Activities

Mobilizing the global reach of IEEE to impact as many students as possible with hundreds of STEM activities offered each year!
Volunteer STEM Portal Demo

Dawna Schultz, IEEE Sr. STEM Education Outreach Manager
Volunteer STEM Portal Demo
Join our IEEE STEM Community

Burt Dicht, Director, Student & Academic Education Programs
Volunteer STEM Portal - Share. Give Back. Inspire!

Launched on 21 Jan 2021 - tryengineering.org
Join Our STEM Team

Volunteer STEM Portal
- **Share** your great programs
- **Provide** your event results
- Participate in the pilot

Communities
- Join our IEEE Pre-University [Collabratec Community](#) and [TryEngineering Facebook Group](#)

TryEngineering.org
- Share your career profile
- Suggest hands-on activities to turn into lesson plans
- Create games to help students develop engineering, computing, or technology skills

FOR MORE INFORMATION CONTACT:
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Questions & Answers

Lynn Bowlby, Program Specialist
Questions & Answers

Thank You!

Questions?
Comments?
Suggestions?