



**STEM
Portal**

IEEE Volunteer STEM Portal Share. Give Back. Inspire!

Deep Dive Webinar

March 2021



**STEM
Portal**

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



**STEM
Portal**

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

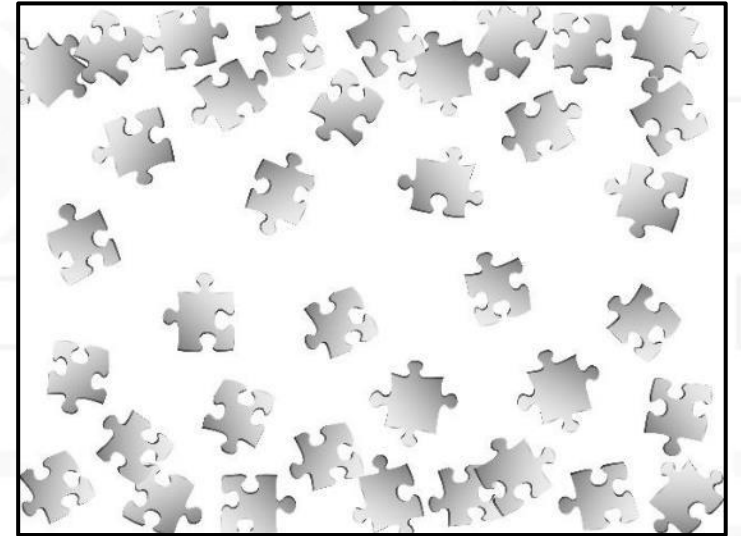


The Challenge for IEEE's STEM Pre-University Education Programs: A Fragmented Landscape

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

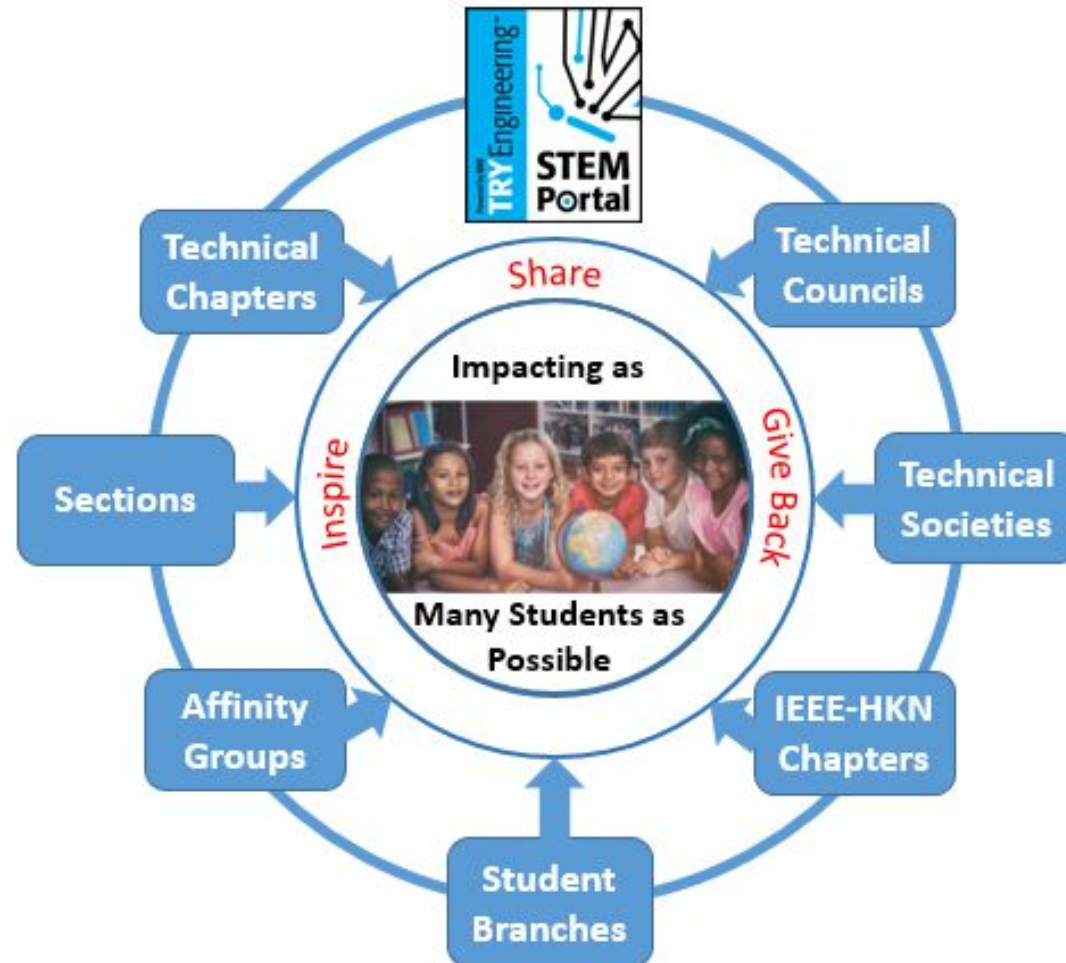
We do not know collectively what is being done across the institution. There is no:

- 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!

IEEE Volunteer STEM Portal: **Share. Give Back. Inspire**

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)



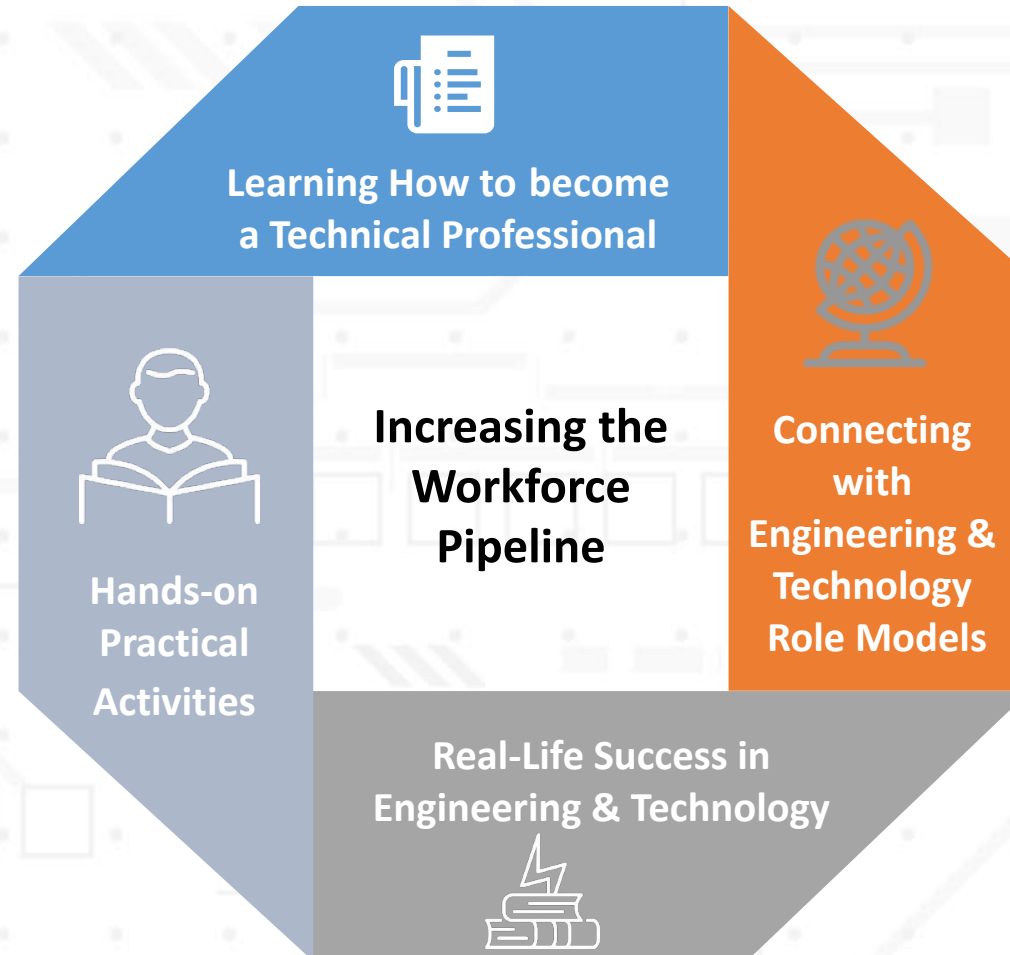
Volunteer Engagement

- **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

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!





**STEM
Portal**

Volunteer STEM Portal Demo

Dawna Schultz, IEEE Sr. STEM Education Outreach Manager

Volunteer STEM Portal Demo

Powered by IEEE

TRYEngineering

Teachers ▾ Students ▾ Volunteers ▾ About ▾ Search 🔍

IEEE



**Teachers: Resources for Your Classroom**

[Lesson Plans](#) [Teacher Resources](#)

**Students: Explore Engineering**

[Engineering Fields](#) [Games](#)

**IEEE Volunteers: Resources for STEM Outreach**

[Search for a Program](#) [Resources](#)

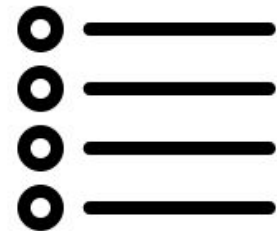
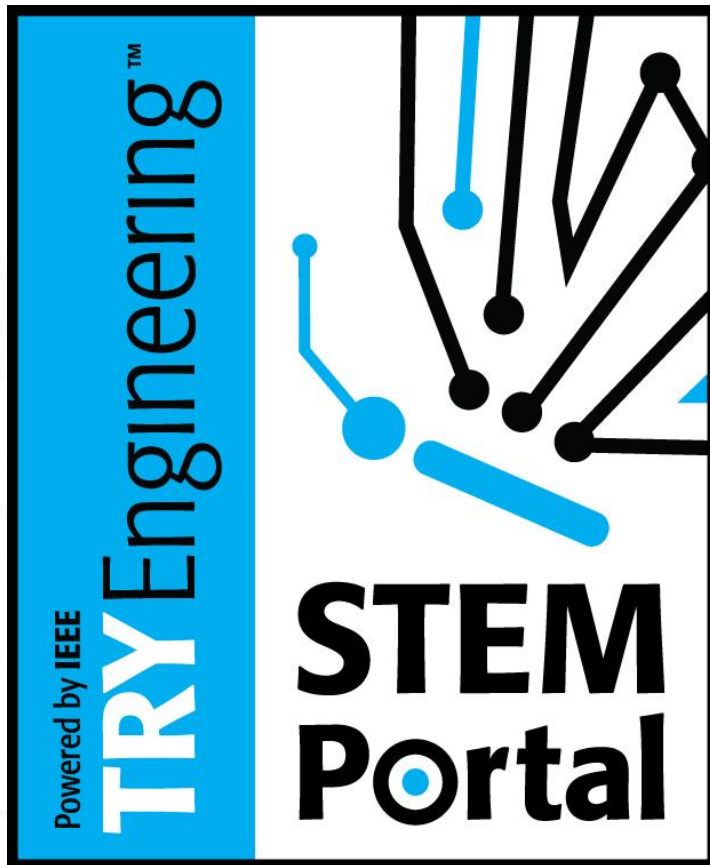


**STEM
Portal**

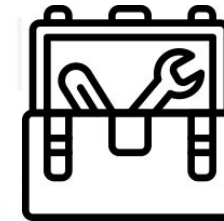
Join our IEEE STEM Community

Burt Dicht, Director, Student & Academic Education Programs

Volunteer STEM Portal - Share. Give Back. Inspire!



Highlight Your
STEM Programs



Share Your "How-To"
Know-How with Other
Volunteers



New Programs and
More Students
Impacted

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](#)



IEEE TryEngineering Community

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:

Lorena Garcia lorenagarcia@ieee.org, Dawna Schultz d.j.schultz@ieee.org,
Burt Dicht b.dicht@ieee.org



**STEM
Portal**

Questions & Answers

Lynn Bowlby, Program Specialist

Questions & Answers

Thank You!

