

“The in-service program provides one of those rare opportunities to serve the community and have fun at the same time.”

Ralph Painter, IEEE Section Volunteer, Florida, USA

“IEEE brings technology to youth in developing countries to assist in creating a skilled workforce for nations pursuing technological advancement.”

Nico Beute, Dean of Engineering Faculty, Cape Technikon, Cape Town, South Africa

About IEEE

IEEE is the world's leading professional association for the advancement of technology. More than 375,000 engineers, scientists and allied professionals with technical interests rooted in the electrical and computer sciences, as well as engineering and related disciplines, comprise IEEE membership.

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IEEE Teacher In-Service Program

Connecting experience and education



- Design engineering projects
- Interact with local educators
- Facilitate pre-university learning



Share your knowledge and help shape the future

IEEE Teacher In-Service Program

Provides a forum for IEEE volunteers to demonstrate the application of engineering, science and mathematics concepts by sharing their real-world experiences with local pre-university educators.

By working with local IEEE Sections and education programs, IEEE volunteers can:

- Share expertise with educators
- Generate interest in technology related fields
- Influence future engineers and scientists
- Develop continuing relationships

Become a champion for technological literacy

Help support engineering education and future engineering students. Don't miss out on the opportunity to:

- Increase the level of technological literacy in local school districts
- Contribute to the establishment of pre-engineering programs
- Facilitate enhancements in school science and technology curricula
- Develop collaborative relationships with educators
- Expose more female and minority students to technology-related professions

Contribute to the Future of Engineering

Influence the next generation of engineers, scientists and mathematicians by working with schools and teachers to develop quality education programs. Participants of the program can:

- Design practical projects for pre-university students
- Teach hands-on engineering topics
- Supply concepts and content for classroom learning
- Develop interesting lesson plans
- Identify enthusiastic volunteers
- Recognize outstanding pre-university educators

Sample lesson plan topics

Everything You Wanted to Know About Electric Motors but Were Afraid to Ask

Light Waves and Spectroscopes

Get Connected with Ohm's Law

Build Your Own Robot Arm

Simple Machines

Building Working Models with Household Items



For more information on the IEEE Teacher In-Service Program, visit us at:
www.ieee.org/teacherinservice