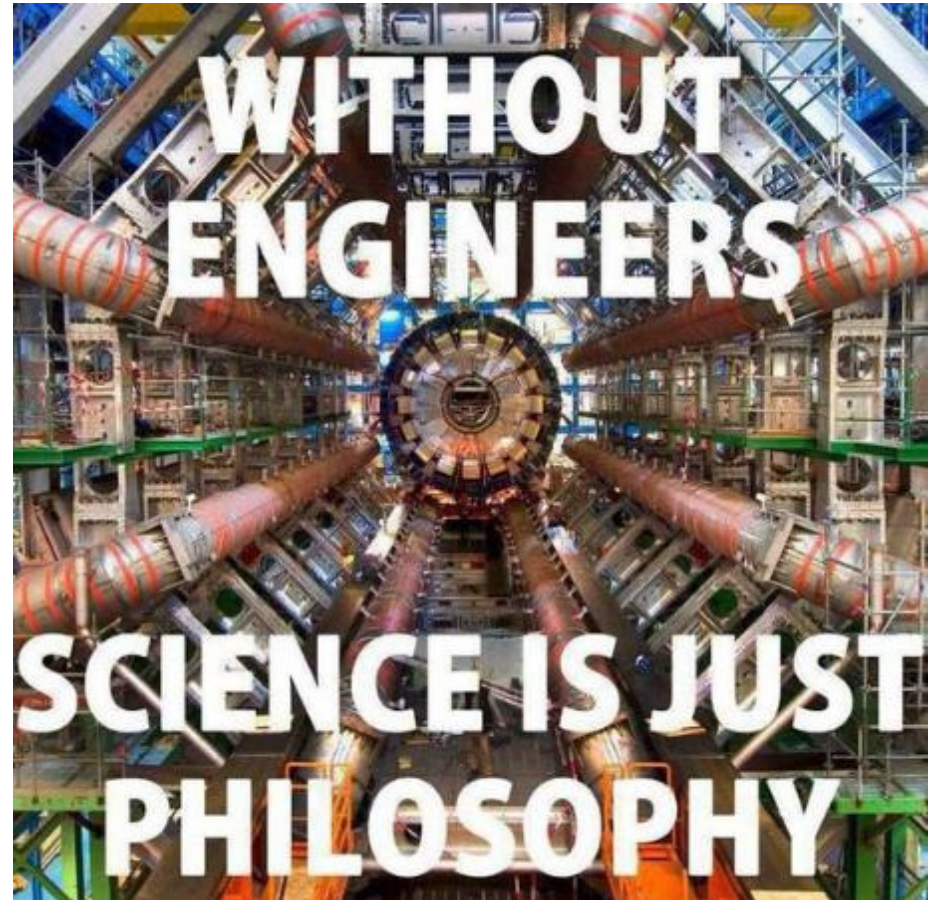
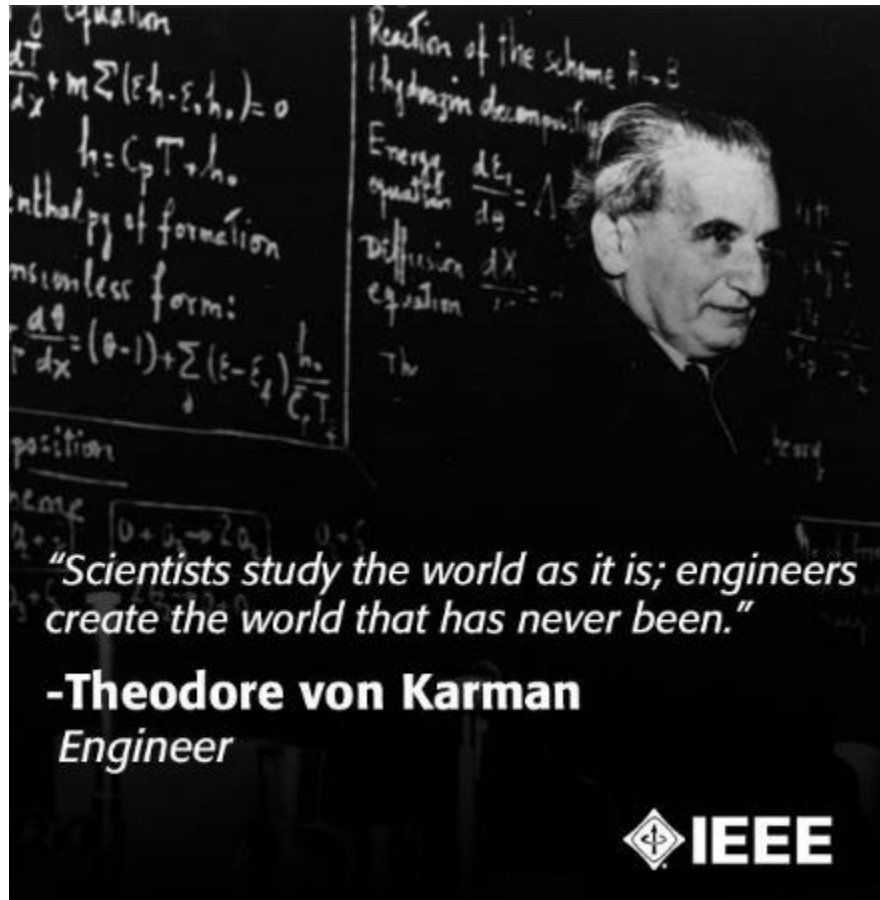




IEEE Orientation Day

IEEE Dayton Section

The Meaning of Our Life

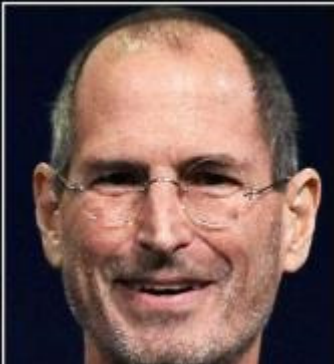


Engineering is The 99% to Success



What makes success is not your genius idea, but the execution and follow-through around it

— Robin Sharma —



To me, ideas are worth nothing unless executed. They are just a multiplier. Execution is worth millions.

— Steve Jobs —



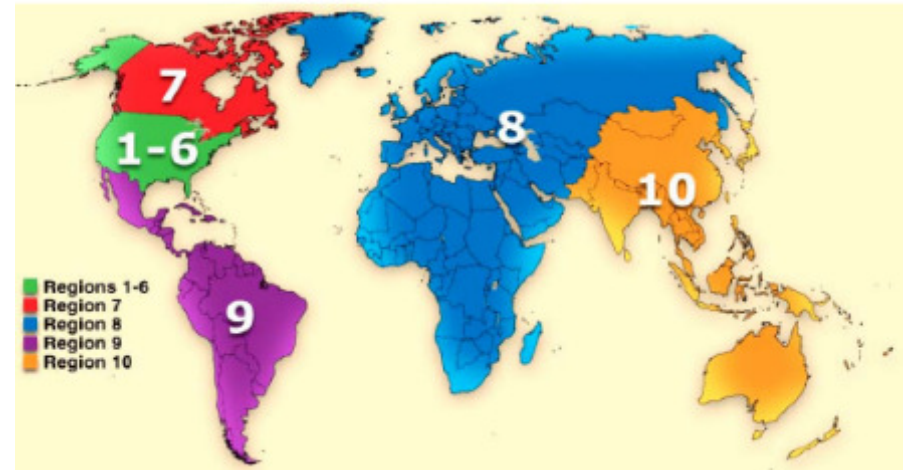
Ideas are easy. Execution is everything. It takes a team to win.

— John Doerr —



IEEE Geographical Structure

- ▶ Regions
 - We are in Region 2
- ▶ Sections
 - We are in Dayton Section
- ▶ Chapters
 - Technical sub-unit of a Section
 - AES, PEAL, AP, MTT, SP,...
- ▶ Affinity Group
 - Life Members, Young Professionals, Women in Engineering





IEEE IMPROVES YOUR CAREER

IEEE For You:

- ▶ All of you have an IEEE Account
 - Go to www.ieee.org
- ▶ All of you have an IEEE Email Account powered by Google
 - Google Drive
 - Google Docs
 - Google Calendar
- ▶ All of you have a **personalized** IEEE Account
 - www.ieee.org/myieee



IEEE Collabratec™

- IEEE's new professional networking / collaboration platform
- Facilitates interactive communities and collaborative research
- Open to everyone, but with exclusive privileges for IEEE members

iee-collabratec.ieee.org/



The screenshot shows the IEEE Collabratec website homepage. At the top, there is a navigation bar with links for IEEE.org, IEEE Xplore Digital Library, IEEE Standards, IEEE Spectrum, and IEEE Sites. On the right, there are links for Cart, Cross Account, and Sign In. The main header features the IEEE Collabratec logo with the tagline "Bright Minds. Bright Ideas." and the IEEE logo. Below the header is a large image of a diverse group of people collaborating around a computer. Overlaid on this image is the text "Network, collaborate and create with technology experts globally." and two buttons: "Sign In" and "Create your free IEEE account". Below the image is a navigation menu with links for Overview, Professional Networking, Researching, Authoring, and Collaborating. The main content area has two columns: "One Central Hub" with the subtext "IEEE Collabratec™ is an integrated online community where" and "IEEE Collabratec™ can help you:" with a bullet point "Connect with global technology professionals by location."

Scope and depth of expertise in engineering and technology **not found** in general social networks



What can you do?

- Home
- People
- My Network
- Opportunities
- Communities
- Events
- Library
- Private Groups

- Profile
- Settings
- Feedback

Contact and Support
User Guide – FAQ – Advertise


- Discover professional colleagues with similar interests
- Participate in interactive forums in Communities
- Organize your Library with robust document management, storage, and filtering capabilities
- Collaborate with colleagues in Private Groups
- Connect research and collaborative authoring tools
- Discover jobs and internships to advance your career
- Form mentoring partnerships


IEEE ResumeLab




www.ieee.org/resumelab


- ▶ IEEE ResumeLab is an online tool to help IEEE members create CVs/resumes and cover letters
- ▶ Customizable and easily editable templates
- ▶ Build video resumes and work portfolios
- ▶ Built-in training and tool tips
- ▶ 900+ interview practice questions and videos

 **RESUMES**


 [Create New Resume](#)


Manage Your Resumes

 **LETTERS**


 [Create New Letter](#)


Manage Your Letters

 **PORTFOLIOS**

 [Create New Portfolio](#)

Manage Your Portfolios

 **ASSESSMENTS**

 [Create New Assessment](#)

Manage Your Assessments

 **INTERVIEWS**

 [Create New Interview](#)

Manage Your Interviews

 **VIDEO RESUMES**

 [Create Video Resume](#)

Manage Your Video Resumes

IEEE Discounts

Insurance Services



IEEE works with many top companies to offer a variety of protection plans for life, health, home, auto, and business. Sign in with your IEEE Account to access these benefits:

Life, Health, and Business Insurance

- › Insurance for US/Canada/Puerto Rico
- › International Insurance
- › India Medical Insurance

Auto and Home Insurance

- › Liberty Mutual (US)
- › Travelers (US)
- › The Personal (Canada)

Travel Discounts



Whether traveling for business or pleasure, IEEE can help you save on these services. Vendors' terms and conditions apply. Sign in with your IEEE Account for details on these programs.

- › Car rental
- › Credit card programs

- › Singapore luxury hotel offer
- › Travel insurance

Technology Discounts



Shop for computers from these top brands at substantial savings. Sign in with your IEEE Account to view the current discounts and specials.

- › Dell products for the home and office

- › Lenovo products

Available in the US, Canada, and select countries in Europe, Latin America, and Asia Pacific

Available in the US only

Home and Office Discounts



Secure your future with the right financial planning tools and save big on your shipping needs. Sign in with your IEEE Account to view these valuable benefits.

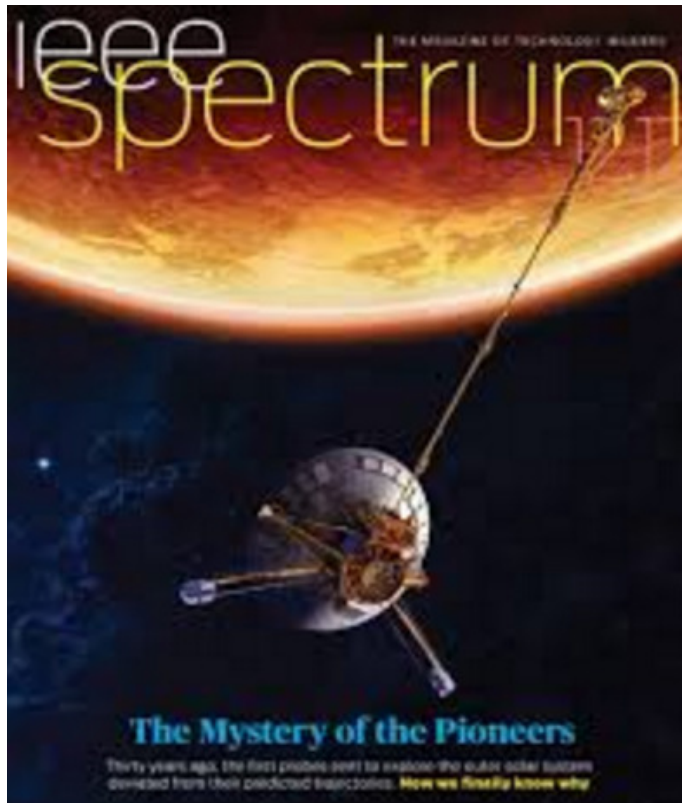
- › myFinancial Wellness for IEEE Members

- › UPS Shipping

Available in the US and Puerto Rico

Available in the US and Canada

IEEE Spectrum, Potentials and TV!



IEEE Collaboratec Example: Job Opportunities

Search job and internship listings; Save jobs, Share, and Apply

Home

People

My Network

Opportunities

Communities

Events

Library

Private Groups

Profile

Settings

Feedback

Contact and Support
User Guide - FAQ - Advertise

Opportunities

Find Opportunities

Search Job Title Only

Showing 1-20 of 2323

Senior Quality Engineer

Vapotherm Inc., Exeter, NH US
Posted on 10/26/2015
Senior Quality Engineer. Review and execute verification/validation activities for medical device disposables involving membrane technology. Perform biocompatibility assessments per ISO 10993, particularly toxicological risk assessment of Volatile Organic Content. Write protocols and determine requ... Full Details

AEROSPACE ENGINEER

Federal Government Jobs, Oklahoma City, OK US
Posted on 10/26/2015
Aerospace Engineer Job in OKLAHOMA CITY, OK Vacancy No. AFMC-1537930-509332-9V-SAH Department Air Force Materiel Command Salary \$83,468.00 to \$108,507.00 Grade 13 to 13 Perm/Temp Permanent FT/PT Full-time Open Date 10/21/2015 Close Date 10/27/2015 Job Link Apply Online Who may apply Status Candidate... Full Details

AEROSPACE ENGINEER

Federal Government Jobs, San Diego, CA US
Posted on 10/26/2015
Aerospace Engineer Job in SAN DIEGO, CA Vacancy No. NE60861-14-1536285-NX241096 Department Naval Air Systems Command Salary \$107,299.00 to \$139,489.00 Grade 14 to 14 Perm/Temp Permanent FT/PT Full-time Open Date 10/23/2015 Close Date 10/29/2015 Job Link Apply Online Who may apply Status Candidates L... Full Details

Opportunity Posted

Anytime
 Last 30 days
 Last 7 days
 Last 24 hours

Location

Edison, NJ, USA

Radius from location:
40 km

Apply Reset

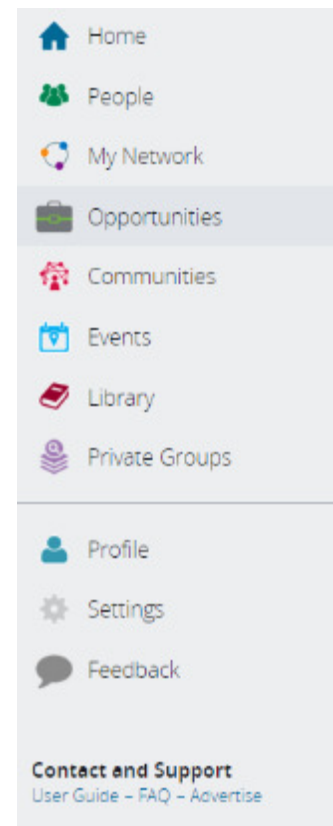
Categories

Engineering (1418)
 Communications (934)
 Electronics Engineer (667)
 Information Technology (650)
 Computer Engineering (595)
 Energy (508)

- ▶ Making policies promoting all engineers
- ▶ Career Management Workshops
 - Webinars
 - Online learning
- ▶ Shop for Career-building books
 - Many are free for members
- ▶ Salary services
- ▶ www.ieeeusa.org

Job Search with IEEE

- ▶ Career alerts
- ▶ careers.ieee.org
- ▶ Also in Collaboratec
- ▶ Career tips at IEEE USA



IEEE Organizational Units

- ▶ Women in Engineering
 - Scholarships
 - Wie.ieee.org



- ▶ Young Professionals
 - <35yrs
 - Many "Meetups"
 - Yp.ieee.org



IEEE Student Member

- ▶ Discounts on many technical resources
- ▶ Reduced Conference Registration Fees
- ▶ Scholarships and Grants
 - https://www.ieee.org/membership_services/membership/students/awards/sag.html?WT.mc_id=lp_st_sgf
- ▶ IEEE Extreme





IEEE BUILDS YOUR KNOWLEDGE

Xplore Digital Library

- ▶ IEEE *Xplore* provides web access to more than three-million full-text documents.
- ▶ Standard IEEE Membership
 - Up to 25 full-text articles per month
 - Full access to the Proceedings for the IEEE
- ▶ Institutional Membership
 - Universities, research labs, libraries, large companies
 - Unlimited access to Xplore

IEEE *Xplore*[®]
Digital Library

> Institutional Sign In

BROWSE ▾

MY SETTINGS ▾

GET HELP ▾

WHAT CAN I ACCESS?

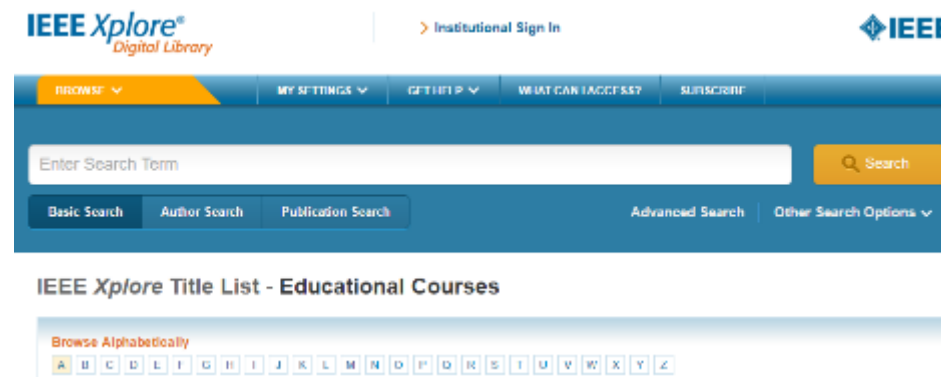
SUBS

Search 4,027,444 items

 **IEEE**
Advancing Technology
for Humanity

IEEE Educational Resources

▶ Open Access Educational Courses



▶ Member have access to 299 eBooks from the IEEE Press collection through IEEE Xplore.



IEEE Conferences



- Discount rates for members
- You can find conference schedule and location at:
 - https://www.ieee.org/conferences_events/index.html



Knowledge and Networking



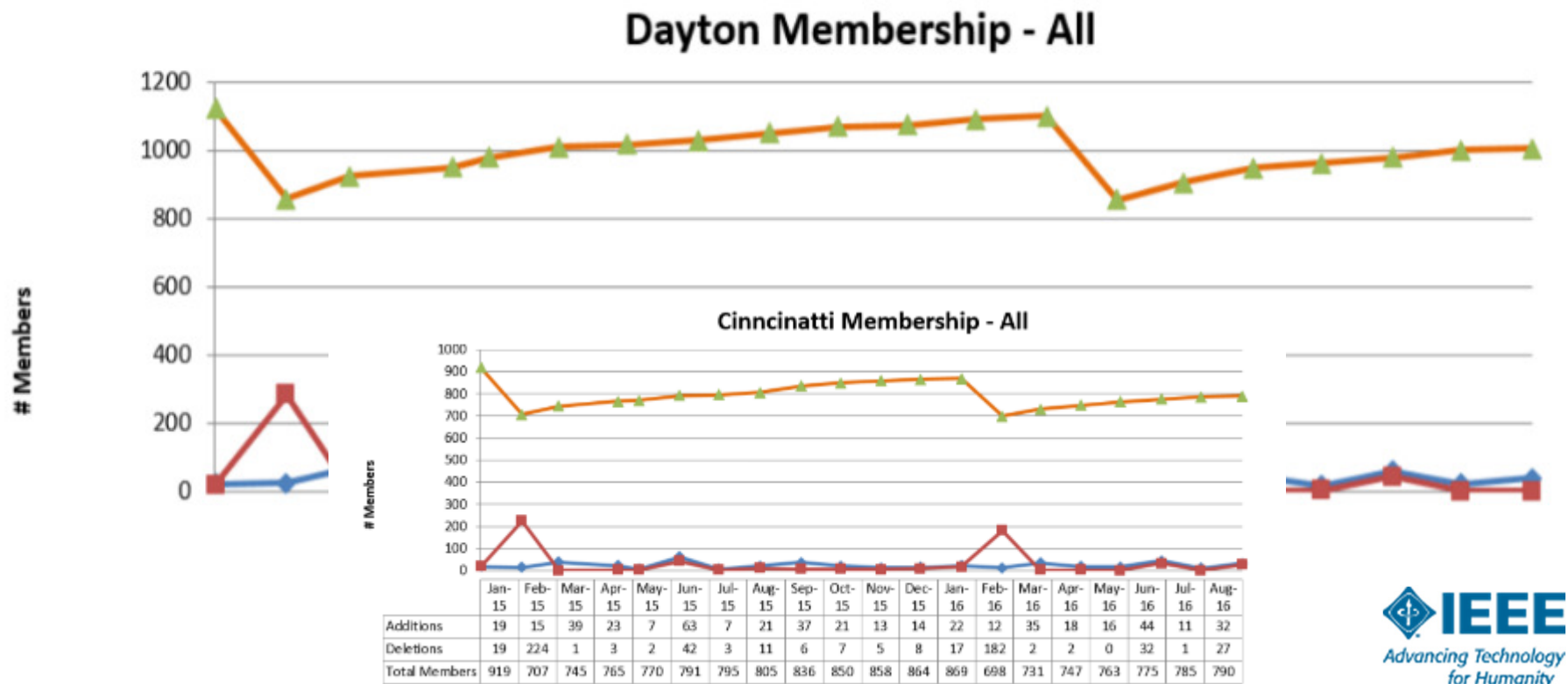


IEEE IS CLOSE TO YOU

IEEE Dayton Section



- ▶ Lots of electrical engineers for a small city!



Where To Find Us



- ▶ We have a website:
 - <http://sites.ieee.org/dayton/>
- ▶ And a Facebook page
- ▶ All local events are posted there!
- ▶ They are also posted here
 - https://meetings.vtools.ieee.org/meeting_view/index

The screenshot shows the IEEE Dayton Section website. The main navigation bar includes links for Home, Officers, Societies, Calendar, Newsletter, Membership, and For Members. A search bar is located below the navigation. The main content area features a map of Ohio with the Dayton area highlighted, a calendar for September 2016, and a list of recent posts. The calendar shows an event on September 30: "IEEE Smart Tech Signature Event" from 7:00 am to 7:00 pm. The website also includes a sidebar with quick links and an archive section.

Dayton Chapters



- ▶ We have multiple chapters tailored to your area of interest
- ▶ Chapters usually organize several technical talks by inviting distinguished lecturers worldwide
 - Mainly at the Wright Brother Institute
- ▶ Chapters also offer free training sessions



Active Chapters in Dayton



Chapter	Meaning	Professional	Student
AESS	Aerospace and Electronic Systems	\$25	\$13
APS/MTT/GRS	Antennas and Propagation	\$15	\$8
APS/MTT/GRS	Microwave Theory and Techniques	\$24	\$10
APS/MTT/GRS	Geosciences and Remote Sensing	\$19	\$10
PEAL	Power and Energy Society	\$35	\$18
PEAL	Industry Applications	\$20	\$10
PEAL	Power Electronics Society	\$25	\$13
Computer	Computer	\$40	\$8
Photonic	Photonics	\$34	\$17
SP/SMC/EMB	Signal Processing	\$22	\$11
SP/SMC/EMB	Systems Man and Cybernetics	\$12	\$6
SP/SMC/EMB	Engineering in Medicine and Biology	\$40	\$5
WIE/YP	Women in Engineering	\$25	\$0
WIE/YP	Young Professionals	\$0	\$0

Our Conference: NAECON



- ▶ The IEEE National Aerospace and Electronic Conference is the oldest and premiere IEEE conference presenting aerospace research in all aspects of theory, design and applications of systems and sensors
 - Started as AES, now covers nearly all IEEE Societies



Recurring Events



- ▶ IEEE Dayton Section Banquet Awards
- ▶ Science Fairs and Techfest
- ▶ IEEE Social Events
- ▶ Meet and Greet at the ProtoBuildBar



You Have New Friends!



Charlie Cerny
Chair
Dr.c.c@ieee.org



Lorenzo Lo Monte
Vice Chair
lorenzo.lomonte.US@ieee.org



Barbara Frantom
Treasurer
bfrantom@ieee.org



Felicia Harlow
Secretary
fharlow@ieee.org



Rob Ewing
Chair Emeritus
Robert.ewing@ieee.org



Brooke Hayden
Women In Engineering
brooke.hayden.2010@ieee.org



Mike Ford
Young Professionals
Michael.ford.US@ieee.org

THANK YOU!
ANY QUESTIONS

Common Questions

▶ IEEE Membership is too expensive

- The cost of IEEE membership compared to most professional associations is significantly lower, as much as 30%, compared to organizations such as the National Society of Professional Engineers, American Medical Association, and the American Bar Association. When you really think about it, IEEE membership dues are quite reasonable when you consider the quantity and quality of benefits offered to members. Also, IEEE membership often pays for itself. The discounts members receive on IEEE products or attending a conference makes membership a good return-on-investment. For professional-grade applicants whose income does not exceed \$14,200, IEEE offers a 50% reduction in IEEE dues, regional assessments and dues for one IEEE Society and its optional publications.

▶ The Value of IEEE does not justify the cost

- IEEE membership offers an array of benefits that may be of interest to you. Perhaps you are unaware of the some of these benefits. They include access to technical publications; professional and educational development; unique networking venues; discounts on conference attendance, insurance programs, IEEE products. Every member has their own, personalized gateway into IEEE membership via myIEEE

▶ I have no time to read the publications

- It's a constant challenge between finding the time to be informed, and one day discovering that you're not technically current. Our members tell us that reading IEEE publications saves them time, as they do not need to "reinvent-the-wheel" at work. IEEE publications are the world's best collection of technical information. Taking the time to read this information keeps you technically current. Investing 30 minutes with one publication could save you 40 hours of research at work