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IEEE Foundation Donor Supported Program







IEEE Life Member Mentoring with ProSentials

2026 Direction & Plan



Presented by: **Gustavo Giannattasio**
Date: OCTOBER 2026
LM Mentoring Chair

IEEE

Visit us at: **life.ieee.org**

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IEEE Mentoring Sessions



PART 1

PROSENTIALS BASICS , WHY JOIN AS MENTOR

1 PROSENTIALS MENTORING

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IEEE ProSentials™
The Essential Skills for How Work Really Works

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WHY MENTORING

Mentorship Help You Thrive Inside

Get Guidance. Build Confidence.
Develop the skills and connections to succeed in your career.

WHY GET A MENTOR?

CLARIFY YOUR PATH
Get guidance to explore career options and make confident decisions.

GROW YOUR SKILLS
Build communication, leadership, and problem-solving skills that set you apart.

CONNECT GLOBALLY
Build meaningful relationships with professionals and peers around the world.

GAIN REAL-WORLD INSIGHTS
Learn from experienced professionals who have been where you want to go.

BOOST YOUR CONFIDENCE
Get support, feedback, and encouragement to achieve your goals.



Guidance. Connections. Confidence.
That's the power of meaningful skills.

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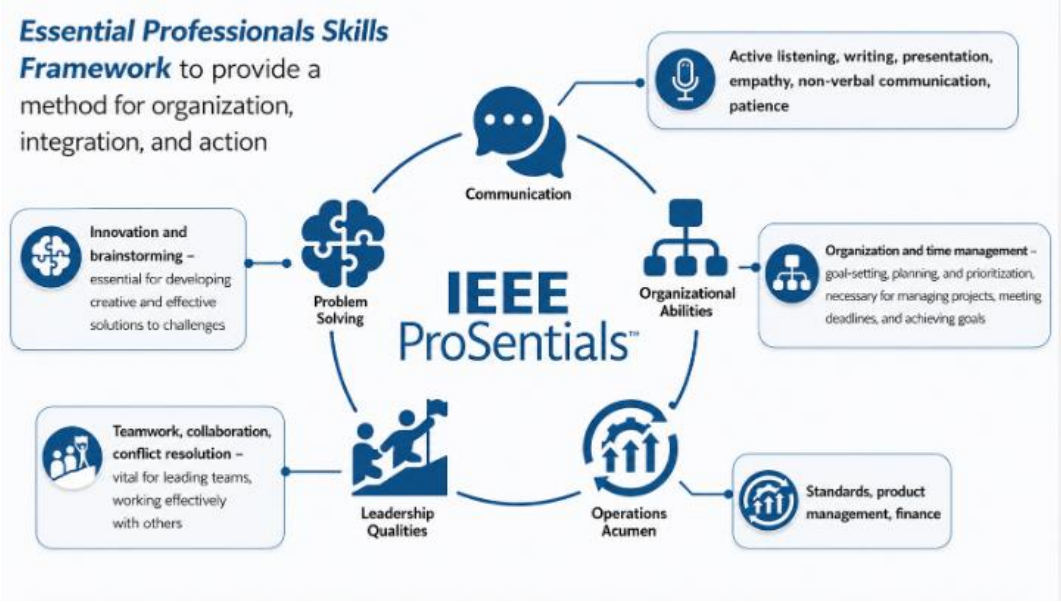
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2026 IEEE ProSentials. Who is Prosentials For ?

Professional skills matter at every stage of your career. ProSentials connects IEEE experiences to the competencies that help members grow, lead, and make a greater impact.

- **Students** — Students preparing to launch their careers can build the professional skills that help them stand out to employers alongside their technical education
- **Early-Career Professionals** — Emerging technologists and early-career professionals can develop the communication, leadership, and collaboration skills needed to thrive in the workplace.
- **Mid-Career Professionals** — Professionals taking on greater responsibility can strengthen the competencies needed to lead teams, influence decisions, and advance their careers
- **Experienced and Retired Professionals** — Experienced professionals can continue growing as leaders while mentoring the next generation and contributing their expertise to the IEEE community. Become a mentor

2026 IEEE ProSentials Insightful Direction



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2026 IEEE ProSentials Insightful Direction

An IEEE Framework for Lifelong Professional Development

IEEE created ProSentials to help members at every career stage develop critical professional skills through tutorial and experiential learning, earning verified credentials that prove to employers that you possess the acumen and leadership qualities they demand.

The IEEE ProSentials methodology provides the foundation to:

- **Build essential professional skills**
  Offer a clear roadmap for developing the competencies that complement technical knowledge.
- **Connect learning to real-world experience**
  Reinforce skill development through mentoring, volunteering, teamwork, and hands-on activities.
- **Support career readiness**
  Help learners demonstrate the skills employers consistently seek.
- **Create common language**
  Provide a common language for skills that translate across IEEE programs and platforms.
- **Guide resource development**
  Offer a structure for tagging, organizing, and creating content that supports skill growth.

2026 Call For Mentors

Who Should Apply?

We welcome:

- IEEE Industry Members
- Senior Members and Life Members
- Professionals with experience in engineering, technology, management, or innovation and **SOFT SKILLS**
- Experts willing to guide, listen, **and inspire rather than lecture**
- No prior mentoring experience is required — IEEE will provide guidance and structure



2026 Call For Mentors

Role and Responsibilities of Mentors

Communication

- Active listening, writing, presentation, empathy, non-verbal communication, patience
- Listen actively and attentively
- Communicate clearly and respectfully
- Provide constructive feedback
- Encourage open and honest dialogue

Problem Solving

- Innovation and brainstorming – essential for developing creative and effective solutions to challenges
- Encourage curiosity and creativity
- Guide critical thinking and analysis
- Help explore options and solutions
- Support learning from mistakes

Organizational Abilities

- Organization and time management – goal-setting, planning, and prioritization, necessary for managing projects, meeting deadlines, and achieving goals
- Help mentees set clear goals
- Assist in planning and prioritization
- Provide guidance on time management
- Monitor progress and accountability

Teamwork and Collaboration

- Teamwork, collaboration, conflict resolution – vital for leading teams, working effectively with others
- Model positive leadership and integrity
- Build trust and psychological safety
- Facilitate teamwork and collaboration
- Help resolve conflicts and challenges

Leadership Qualities

- Inspire growth, build confidence, and empower mentees to reach their full potential
- Model positive leadership and integrity
- Build trust and psychological safety
- Facilitate teamwork and collaboration
- Help mentees develop leadership skills

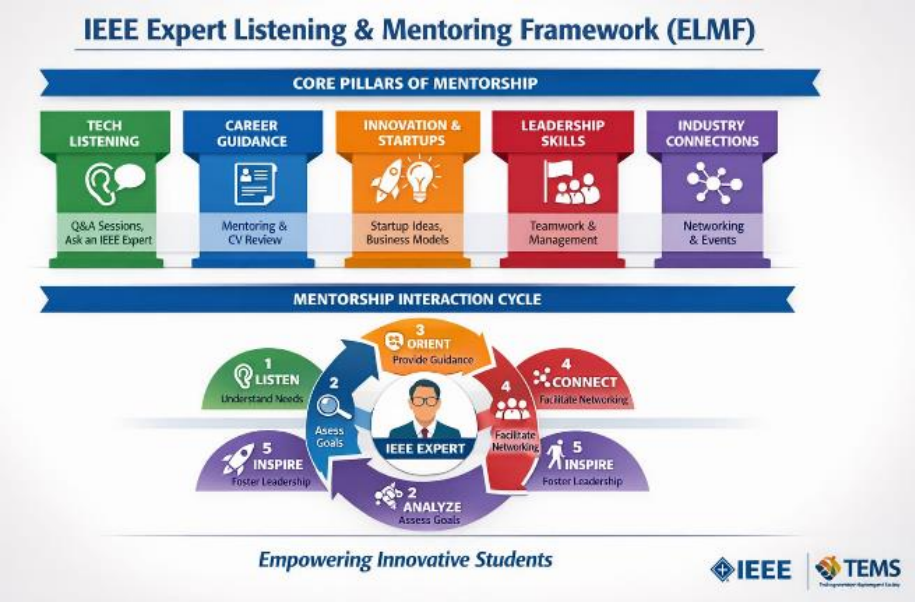
Operations Acumen

- Standards, product management, finance
- Share knowledge of processes and tools
- Promote quality, efficiency, and compliance
- Support decision-making with data
- Encourage cost-conscious and value-driven thinking

Overall Responsibility

- Inspire growth, build confidence, and empower mentees to reach their full potential and make a positive impact.

Mentoring Mentee Interaction framework



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Main objectives

- Facilitate knowledge transfer between generations
- Guiding careers in engineering and technology
- Promote innovation and entrepreneurship
- Develop technological leadership



Pillar 1 – Active Technological Listening

Objective: to understand the real concerns of the students.

➢ **Activities** :
- open question and answer sessions
- technology forums
- an IEEE Expert" sessions

➢ **Results:**
- identification of technological challenges
- initial guidance on areas of development

Pillar 2 – Career Guidance

Objective: to help students define their career path.

➢ **Activities:**
- individual mentoring
- CV and professional profile review
- discussion of job and technological opportunities

➢ **Results** :
- clarity in career goals
- professional planning development

Pillar 3 – Innovation and Entrepreneurship

Objective: to stimulate the creation of innovative technological solutions.

➢ **Activities** :
- analysis of real-world innovation cases
- evaluation of technology startup ideas
- Introduction to tools such as:
  - Business Model Canvas
  - Lean Startup
  - Design Thinking

➢ **Results:**
- development of entrepreneurial mindset
- Early validation of technological ideas

Pillar 4 – Leadership and Professional Skills

Objective: to develop leadership skills in young engineers.

➢ **Key topics** :
- leadership of technical teams
- communication in engineering projects
- technology project management
- negotiation and decision-making

➢ **Results** :
- training future technology leaders

Pillar 5 – Connection with IEEE Technology Ecosystem

Objective: to integrate students with the innovation ecosystem.

➢ **Activities:**
- networking with experts
- participation in technical events
- connection with industry, startups and research centers

➢ **Results:**
- greater access to professional opportunities
- development of professional networks

Hi- Impact Mentoring Models

One-on-One Coaching

Ideal for personalized skill development and deeper reflection.

Group Mentoring

Great for peer learning, shared problem solving, and leadership practice.

Project-Based Mentoring

Guide students through real IEEE activities — competitions, events, or branch initiatives — and connect each step to ProSentials skills.

Career Conversations

Help students articulate their skills, prepare for interviews, and understand workplace expectations.

2026 IEEE LMC Mentoring Focus

CALL FOR IEEE SOFT SKILLS MENTORS

Are you an experienced IEEE member who can help others communicate, lead, collaborate and grow professionally?
Become an **IEEE Soft Skills Mentor** and help develop the skills behind successful technical careers.

Soft Skill	Mentoring Focus
Leadership	Leadership styles, decision-making, influencing
Communication	Technical communication, presentations, active listening
Teamwork	Collaboration, conflict management, multicultural teams
Problem Solving	Critical thinking, creativity, structured decisions
Organizational Skills	Planning, prioritization, operations acumen project management
Career Development	Career planning, networking, professional positioning
Emotional Intelligence	Self-awareness, empathy, relationship management
Negotiation	Stakeholder management, persuasion, win-win approaches

HOW TO ENROLL AS MENTOR

Please encourage LM and SM in your region to enroll as Mentors at IEEE Collabratec

They have to follow 3 steps

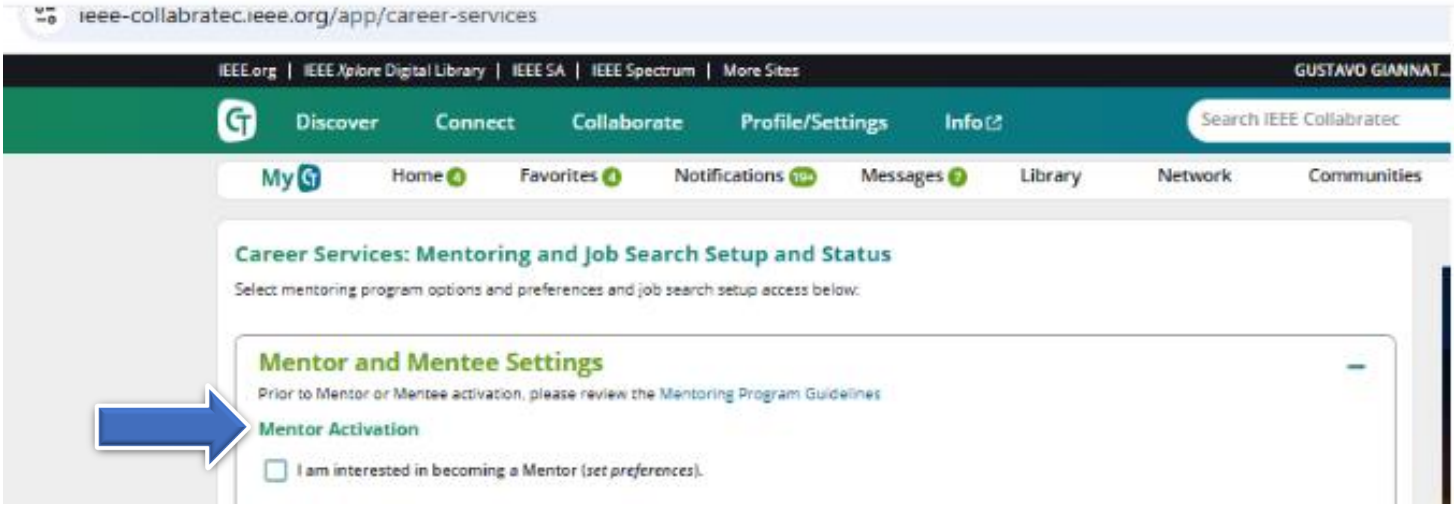
1- Go to Collabratec, https://ieee-collabratec.ieee.org/app and Sign in

(if you do not sign in first, you will not find the career services easily)

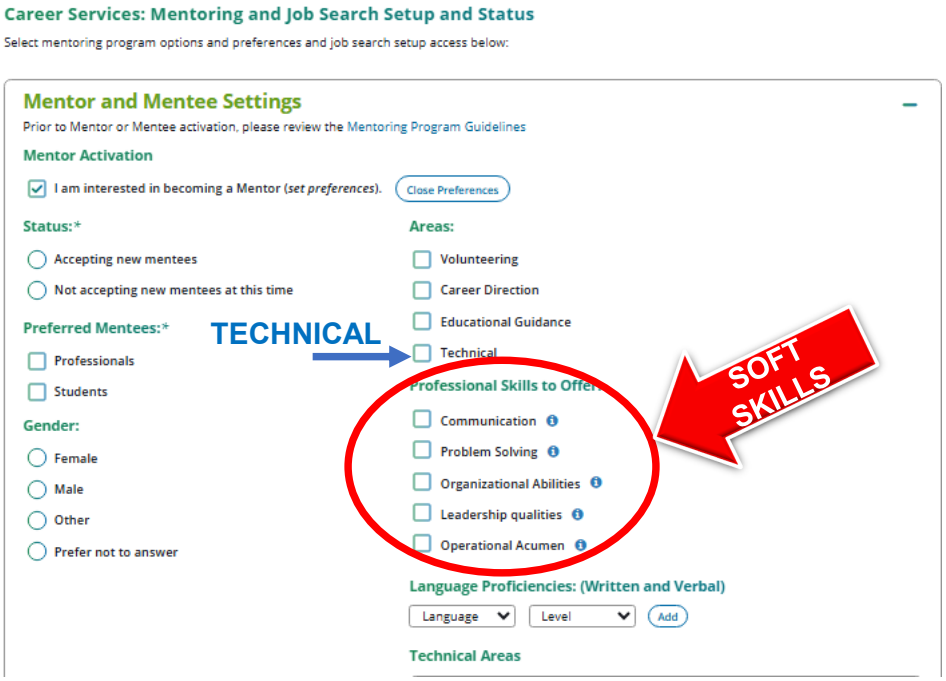
2- Go to Mentoring Activation on career-services
https://ieee-collabratec.ieee.org/app/career-services

3- Go to Soft Skills section

RECRUITING MENTORS CAMPAIGN STEP 2



RECRUITING MENTORS CAMPAIGN STEP 3



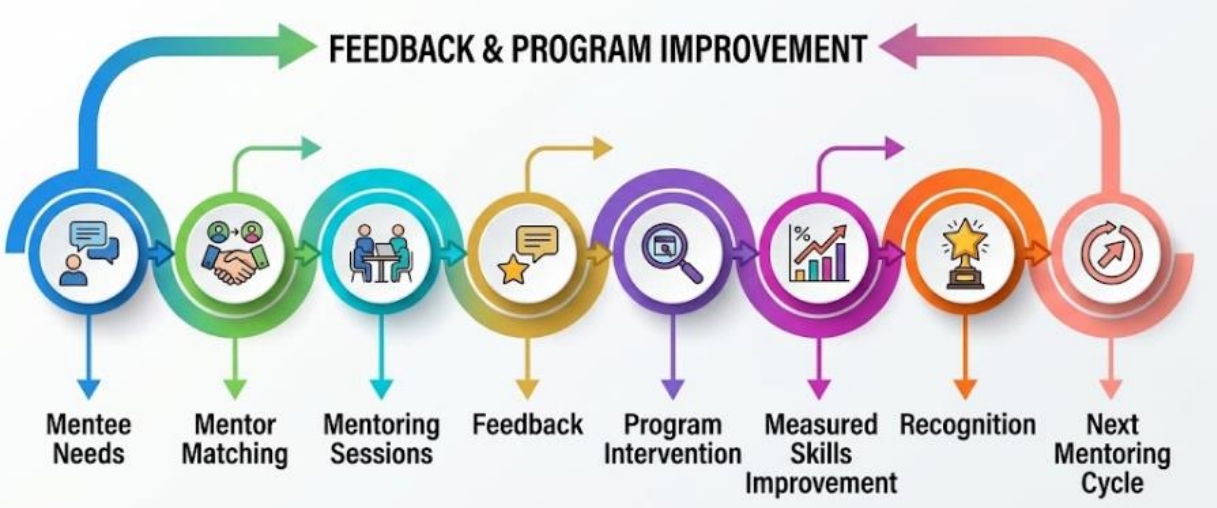
PART 2

MENTORING ROADMAP

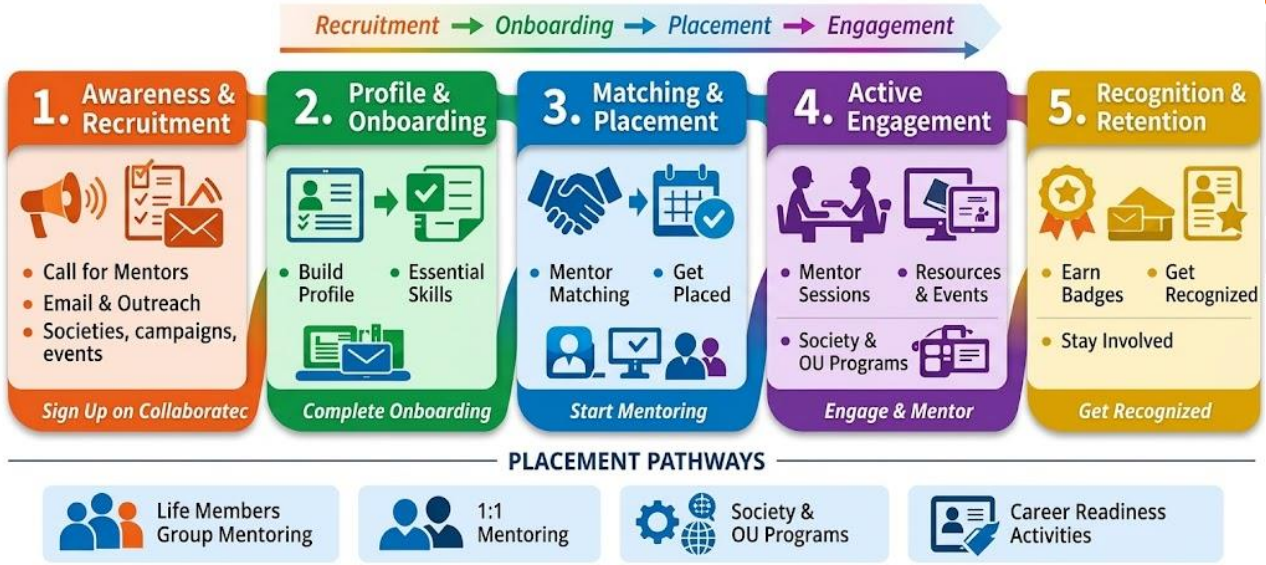


ROADMAP 2

2026 IEEE LMC Mentoring Roadmap



2026 IEEE LMC Mentoring Roadmap Summary



2026 IEEE LMC Mentoring Roadmap

1 Awareness & Recruitment

Goal: Attract qualified mentors and channel them into Collabratec as the standardized entry and cataloging point.

1. **Prospect sees call for mentors** (**email, event, campaign, LMC outreach**).
2. **Directed to Collabratec** as the *mentor registration and profile creation hub*.
3. **Prompted to create/update profile** with:
   - Essential Professional Skills categories
   - Industry domain expertise
   - Mentoring preferences
   - Availability and commitment level

2 Onboarding & Readiness

Goal: Ensure mentors understand expectations, available pathways, and IEEE's mentoring ecosystem

1. **Mentor completes Collabratec profile.**
2. **Mentors are tagged with relevant skills and interests.**
3. **Automated onboarding sequence begins.**
4. **Mentor is added to a "Ready for Placement" pool.**

2026 IEEE LMC Mentoring Roadmap

3 Matching & Placement

Goal: Place mentors into the most suitable IEEE mentoring activities based on skills, preferences, and demand.

1. **Collabratec categorizes mentors, provides filtering, reporting, and algorithms that identify potential matches.**
2. **Program leads and/or Staff review and confirm placements.**
3. **The mentor receives a placement invitation and accepts.**
4. **A mentor is added to the appropriate mentoring cohort or activity**

4 Active Engagement

Goal: Support mentors throughout their engagement and reinforce a sense of community and impact

1. **Regular check-ins from program leads**
2. **Access to mentoring resources and templates**
3. **Optional peer mentor circles**
4. **Opportunities to participate in additional IEEE activities:**
   - Volunteering roles
   - Webinars and panels
   - Student outreach events
   - Career readiness workshops

2026 IEEE LMC Mentoring Roadmap

5 Recognition & Retention

Goal: Celebrate contributions and encourage long-term participation

Recognition Mechanisms

- Digital badges (linked to Essential Professional Skills)
- Certificates of contribution
- Highlighting mentors in newsletters or events
- Invitations to advanced mentoring roles
- Integration with IEEE Volunteering recognition pathways

6 Feedback & Continuous Improvement

Use data to refine matching, improve mentor experience, and strengthen IEEE's mentoring ecosystem.

- **Collabratec analytics**
- **Mentor/mentee satisfaction surveys**
- **Program-level outcomes (e.g., student career readiness metrics)**
- **University partner feedback**

2026 IEEE LMC Mentoring Roadmap

FEEDBACK IS KEY

Baseline → Session Feedback → Midpoint Review → Final Assessment → Improvement Actions → Next Cycle

Stage	When	What to collect	Main purpose
1. Baseline	Before matching	Skills, expectations, objectives	Establish starting point
2. Session feedback	After selected sessions	Quality, relevance, actions	Detect problems early
3. Midpoint review	Halfway through	Progress, relationship, challenges	Adjust mentoring plan
4. Final assessment	End of cycle	Skills gained, objectives achieved	Measure impact
5. Follow-up	3–6 months later	Application of skills	Measure lasting impact

2026 IEEE LMC Mentoring Roadmap

360° Feedback

For a mature program, feedback should come from **three perspectives**

- **Mentee: "Did I develop skills and self-confidence?“**
- **Mentor: "Was I able to support mentee development?“**
- **Program: "Did the mentoring system work?"**



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PART 3

MENTORING GOOD PRACTICES

3 GOOD PRACTICES FOR MENTORS

IEEE

RECRUITING MENTORS CAMPAIGN

Communication, persuasion, feedback, and problem-solving

1. Communication: In IEEE, we work across global borders. How has volunteering improved your ability to communicate complex ideas to diverse or international teams?
2. Persuasion: Tell me about a time you had to pitch a new idea or project to IEEE leadership. How did you structure your argument to gain their buy-in?
3. Feedback: IEEE volunteering often involves providing constructive feedback to peers. How has this experience changed how you approach giving or receiving feedback at your day job?
4. Problem-solving: Can you share a time you had to solve a major roadblock for an IEEE project or event, and how you applied that problem-solving approach at work?
5. Resourcefulness: Describe a project where you didn't have all the resources you needed. How did you creatively find a solution using your IEEE network or volunteer community?
6. Adaptability: Have you ever faced a technical roadblock in an IEEE initiative where the initial plan failed? What was your strategy to get the project back on track?

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RECRUITING MENTORS CAMPAIGN

IEEE

Organization, leadership, mentoring, and operational acumen

7. Organization and project management: How has IEEE helped you master the art of organization and project management through managing budgets, scheduling events, and coordinating?
8. Time management: Volunteering is often “extra” work. How do you balance your high-priority IEEE responsibilities with your professional deadlines without compromising the quality of either?
9. Team coordination: Talk about a complex IEEE event you helped organize. What specific systems or tools did you implement to keep the team aligned and on schedule?
10. People management: How did stepping into an IEEE volunteer leadership role help you practice managing people before you had to do it in your day job?
11. Mentoring and coaching: Have you ever mentored a new IEEE volunteer? How did that experience help you improve your own coaching and development skills in a professional setting?

YOUR MENTOR ROLE



A mentor is a trusted guide, sounding board, and learning partner—**not a manager or a therapist**.

Guide	Share experience, frameworks, and perspective without prescribing every answer.
Ask	Use thoughtful questions to help the mentee reflect and make choices.
Connect	Point to people, communities, learning resources, and opportunities.
Empower	Support ownership: the mentee chooses goals and takes action.

KEY TAKEAWAY • Offer direction **while keeping the mentee in the driver's seat.**

START WITH TRUST



People learn faster when they can speak honestly without fear of judgment.

Agree on confidentiality	Explain what stays private and any limits to confidentiality.
Show respect	Be punctual, inclusive, culturally aware, and attentive.
Listen without rushing	Avoid interrupting, judging, or immediately fixing the problem.
Be reliable	Follow through on commitments and communicate changes early.

KEY TAKEAWAY • Trust is built through small, consistent actions.

SET GOALS TO ACHIEVE



Move from a broad ambition to a specific, achievable development goal.

Explore the need	What situation does the mentee want to handle better?
Define the outcome	Describe what success would look or sound like.
Make it measurable	Choose an observable behavior or milestone.
Set a time frame	Agree on one action to complete before the next meeting.

KEY TAKEAWAY • Example: "Present one project update to the team and request feedback this month."

UNDERSTAND BEFORE GUIDE



Listen for facts, feelings, assumptions, and what matters most to the mentee.

Be fully present	Minimize distractions and give the mentee room to think.
Reflect and summarize	"What I hear you saying is..."
Ask open questions	"What options have you considered?"
Check understanding	"Did I get that right, or am I missing something?"

KEY TAKEAWAY • Aim to understand first; advise second.

USE EXAMPLES, MOTIVATE REFLECTIONS



Choose one skill at a time and practice it in real situations.

Communication
Structure a message; adapt to audience; practice concise storytelling.

Leadership
Clarify purpose; delegate; build alignment; model accountability.

Problem solving
Separate facts from assumptions; explore options; test small steps.

Emotional intelligence
Notice reactions; show empathy; respond rather than react.

Collaboration
Manage disagreement respectfully; seek shared interests.

Time & priorities
Identify high-impact work; set boundaries; review commitments.

KEY TAKEAWAY • Use examples, role-play, reflection, and small experiments between sessions.

REQUEST AND GIVE FEEDBACK



Effective feedback is specific, respectful, timely, and focused on behavior—not personality.

- **Ask permission** "Would feedback on that presentation be useful?"
- **Describe what you observed** Use a concrete example rather than a label.
- **Explain the impact** Share how the behavior affected clarity, trust, or results.
- **Invite reflection** "What would you keep or change next time?"
- **Agree on practice** Identify one behavior to try and review.

KEY TAKEAWAY • Balance strengths with one manageable improvement area.

ETHIC PARTNERSHIP



Remember to create a respectful, safe, and appropriate mentoring relationship.

Value differences	Avoid assumptions about culture, age, career path, disability, or communication style.
Protect privacy	Do not share personal stories or meeting details without permission.
Be transparent	Disclose conflicts of interest and keep expectations realistic.
Respect boundaries	Do not pressure the mentee or promise outcomes you cannot control.
Know when to refer	For issues outside your expertise, help identify suitable professional support.

KEY TAKEAWAY • Mentoring is a partnership—not a substitute for professional or clinical services.

OBSERVE KEY PERFORMANCE INDICATORS



Progress is visible when new behaviors show up in real situations.

Review goals	What has improved? What evidence supports that conclusion?
Track small wins	Capture examples of clearer communication, better collaboration, or stronger confidence.
Ask for feedback	“What should I do more of, less of, or differently as your mentor?”
Adapt the plan	Update goals as the mentee's context and priorities change.
Close well	Summarize growth, lessons, and a self-directed next step.

KEY TAKEAWAY • A successful outcome is greater confidence, skill, and independence.

SUMMARY BASIC STEPS



Start simple. Consistency matters more than having every answer.

Align
Agree on goals, confidentiality, meeting cadence, and preferred communication.

Explore
Identify one priority soft skill and a real situation to work on.

Practice
Try a role-play, reflection exercise, or small real-world experiment.

Review
Discuss evidence of progress, gather feedback, and set the next goal.

Build trust before giving advice

Help mentees discover their own solutions

Turn conversations into practical action

KEY TAKEAWAY • Be curious. Be dependable. Help the mentee take the next step.

Coaching tools to support MENTORING activities

Integrating Coaching into Mentoring



- Start with listening: Understand the mentee's context before selecting a tool.
- Match the tool to the need: Use questions, feedback, goals, or action plans as appropriate.
- Close with commitment: End each session with reflection, agreed actions, and a follow-up date.

Active Listening



- Listen attentively: Give the mentee space to express ideas, concerns, and experiences.
- Clarify understanding: Paraphrase and ask follow-up questions before responding.
- Recognize underlying needs: Identify motivations, uncertainties, and development opportunities.

IEEE Life members Coaching tools to support MENTORING activities IEEE

Powerful Coaching Questions



- Explore the situation: “What is happening, and what matters most to you?”
- Expand possibilities: “What alternatives or approaches could you consider?”
- Encourage ownership: “What is one action you can take next?”

SMART Goal Setting



- Specific: Define exactly what the mentee wants to achieve.
- Measurable and achievable: Establish indicators of progress and realistic milestones.
- Relevant and time-bound: Connect the goal to career aspirations and a clear timeline

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Feedback Tools



- Use the SBI model: Describe the Situation, Behavior, and Impact.
- Balance strengths and opportunities: Reinforce effective behaviors while identifying areas for improvement.
- Make feedback actionable: Agree on one practical change or experiment

Strengths-Based Coaching



- Identify strengths: Explore skills, achievements, and personal resources.
- Connect strengths to opportunities: Apply existing capabilities to new professional challenges.
- Build confidence: Use evidence of past success to support future development.

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Action Planning



- Break goals into steps: Translate aspirations into manageable activities.

Define responsibilities and deadlines: Establish who will do what and by when.

- Track progress: Review milestones and adjust the plan when circumstances change.

Reflection and Problem Solving



- Encourage reflection: Ask, “What did you learn from this experience?”
- Explore root causes: Identify the underlying factors behind a challenge.
- Generate solutions: Compare alternatives and select a practical next step

IEEE Life members Coaching tools to support MENTORING activities IEEE

Coaching Tool	Mentor Application	Example Coaching Question / Action
1. Active Listening	Understand students’ interests, experience, and concerns about entering semiconductors.	“Tell me what attracts you to the semiconductor industry and what experience you already have.”
2. Powerful Questions	Help her identify the type of semiconductor role she really wants.	“Which area interests you most: chip design, verification, fabrication, testing, packaging, or semiconductor applications?”
3. SMART Goals	Convert her career ambition into measurable objectives.	Goal: Complete an RTL/Verilog project and apply for 10 relevant positions within 4 months.
4. GROW Model	Structure the mentoring conversation around her current career situation.	Goal: Semiconductor job → Reality: limited industry experience → Options: training, projects, networking → Will: start an FPGA/RTL project.

Coaching tools to support MENTORING activities

5. Strengths Coaching	Identify transferable capabilities from university or previous work.	"Your electronics design experience is a strength. How can we demonstrate it through a semiconductor-oriented project?"
6. Feedback	Review her CV, LinkedIn profile, portfolio, and technical interview performance.	"Your technical background is strong; let's make your semiconductor-related skills more visible to recruiters."
7. Skills Gap Analysis	Compare her current capabilities with target semiconductor roles.	Identify gaps in Verilog/SystemVerilog, digital design, verification, semiconductor fundamentals, Python, and EDA tools.
8. Action Planning	Create a practical 90-day development plan.	Month 1: training → Month 2: project → Month 3: portfolio + applications + interviews.
9. Networking Coaching	Help her build professional relationships in the semiconductor ecosystem.	Identify IEEE chapters, semiconductor companies, university labs, conferences, and professionals to contact.
10. Accountability & Follow-up	Maintain momentum through regular mentoring sessions.	Meet every 3–4 weeks to review achievements, obstacles, applications, interviews, and next actions.

Program to support IEEE Mentors (specifically Life Members and Senior Members) in Soft Skills abilities aligned with the IEEE ProSentials framework focuses on guiding, listening, and inspiring students rather than traditional lecturing.

- **Target Audience & Mentoring Mindset**

Participants: IEEE Life Members, Senior Members, and Industry Professionals.

- **Core Philosophy: "Experience = Skills Lived". Mentors do not lecture; they lead with real-world stories, ethical turning points, and decision-making dilemmas.**
- **Core Curriculum: IEEE ProSentials 5 Domains**

ProSentials Domain	Learning Objectives for Mentors	Mentor Coaching Techniques & Prompts
 1. Communication	Active listening, non-verbal cues, audience awareness, and translating technical ideas into simple terms.	• Model active listening (repeat back key points before responding). • Practice "explain it to a non-engineer" exercises. • Prompt: "Who is your audience, and what do they care about?"

 2. Problem Solving	Structured thinking, hypothesis testing, navigating ambiguity, and learning from failure.	• Share case studies of past failures and real problem-solving workflows. • Teach breaking problems down into smaller components. • Prompt: "What assumptions are you making?"



3. Organizational Abilities

Goal-setting, planning, time management, and milestone tracking.

- Help mentees build simple project plans for IEEE Student Branch activities.
- Reinforce reliability and accountability as key assets.
- Prompt: "What is the next concrete step?"



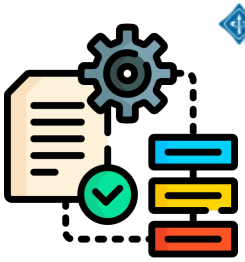
4. Leadership Qualities

Teamwork, conflict resolution, inclusive behaviors, and leading without formal authority.

- Invite quieter voices into discussions during group sessions.
- Guide mentees through giving and receiving constructive feedback.
- Prompt: "What leadership behavior would have improved this situation?"

 **5. Operations Acumen**	**Connecting technical decisions to budgets, timelines, risk analysis, and trade-offs.**	• **Walk mentees through real product lifecycles, budgets, and constraints.** • **Highlight how projects align with organizational goals.** • **Prompt: "What constraints might affect your solution?"**

5-Step Structured Mentorship Process Summary



1. **Listen:** Identify the mentee's underlying technological and career concerns via active listening.
2. **Analyze:** Assess interests, skills, and growth opportunities together.
3. **Orient:** Provide actionable technical and professional recommendations.
4. **Connect:** Facilitate networking within the IEEE ecosystem (Student Branches, Industry, Startups).
5. **Inspire:** Foster long-term leadership, confidence, and self-assessment

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Feedback & KPI Integration



Mentors are trained to evaluate impact using the 3-Step Feedback Model:

- **What Worked Well?** Prompts students to recognize which ProSentials skills contributed to success.
- **What Could Improve?** Helps students analyze gaps in communication, time management, or teamwork.
- **What to Try Next?** Focuses on continuous improvement and trying new strategies in future projects.

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REMEMBER TO JOIN AS MENTOR , TWO STEPS REGISTRATION

Make an Impact That Scales Globally

By mentoring through IEEE, you contribute to:

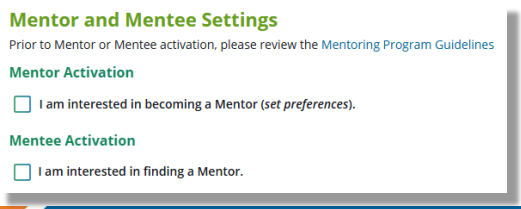
- Closing the global skills gap
- Advancing ethical, inclusive, and sustainable innovation
- Preparing professionals ready to lead in industry, academia, and society

1. **FIRST TSEP , LOG IN at IEEE Collabratec** https://ieee-collabratec.ieee.org/app/home
2. **Join Us as an IEEE Prosentials Mentor, Apply here** https://ieee-collabratec.ieee.org/app/career-services

IEEE Collabratec®
Discover | Connect | Collaborate

Questions? Contact: Gustavo Giannattasio , LMC Subcommittee Mentoring Chair ggiannattasio@gmail.com

Your experience matters.
Your mentorship multiplies it.
Help us build professionals — not just graduates



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RESOURCES

Why IEEE ProSentials™?

Technology is changing faster than ever.

Technology is changing faster than ever.

Success today, it takes more than technical knowledge. It takes communication, collaboration, and the ability to solve complex problems with confidence and clarity across cultures.

IEEE ProSentials™ provides a shared roadmap for developing those skills — making you more competitive, innovative, measurable, and meaningful.



More than a framework

IEEE integrates ProSentials™ throughout learning experiences — from gathering, and career development opportunities, helping learners build skills that translate into real-world success.

Whether you're preparing for your first job, growing your career, IEEE ProSentials™ helps you build capabilities that last.

Five essential skill domains

COMMUNICATION
Communicate technical concepts clearly, collaborate effectively with diverse teams, and engage confidently with colleagues, partners, and stakeholders.

PROBLEM SOLVING ABILITIES
Apply analytical thinking, creativity, structure, and organize work to solve complex problems and analyze performance, and practical solutions.

ORGBLEM SOLVING ABILITIES
Plan effectively, manage competing priorities, and organize work to improve efficiency, productivity, and overall performance.

LEADERSHIP QUALITIES
Demonstrate initiative, support collaboration, and positively influence others while developing the confidence to lead in a variety of professional settings.

OPERATIONAL ACUMEN
Recognize how technology and technical work contribute to organizational success by understanding business processes, operational priorities, and strategic objectives.

Success today requires more than technical knowledge.

https://sites.google.com/ieee.org/ieee-collabratec-info-pages/mentoring-program

URL

IEEE Life members

IEEE

RESOURCES https://www.ieee.org/membership/mentoring

One Program. Two Ways to Grow.

The IEEE Mentoring Program brings qualified IEEE members together for guidance in career development, education, leadership, technical growth, volunteering, and professional skill development. The program is implemented through IEEE Collabratec®, home of the IEEE Member Directory, using its self-pairing and partnership-tracking tools.

The Program connects members across career stages, from students preparing for the workforce to experienced professionals ready to share what they have learned.

Choose the path that supports where you are in your professional journey.



Find a Mentor

Preparing for What's Next?

Connect with an IEEE member whose experience aligns with your academic interests, professional goals, and the future you are working toward.

Keep reading to explore how a mentor can support your academic and professional journey.



Become a Mentor

Put Your Experience to Work

Share the knowledge and perspective you have gained to help another IEEE member prepare for the workforce, navigate career decisions, or pursue continued professional growth.

Discover the professional and personal value of becoming a mentor.

https://www.ieee.org/membership/mentoring

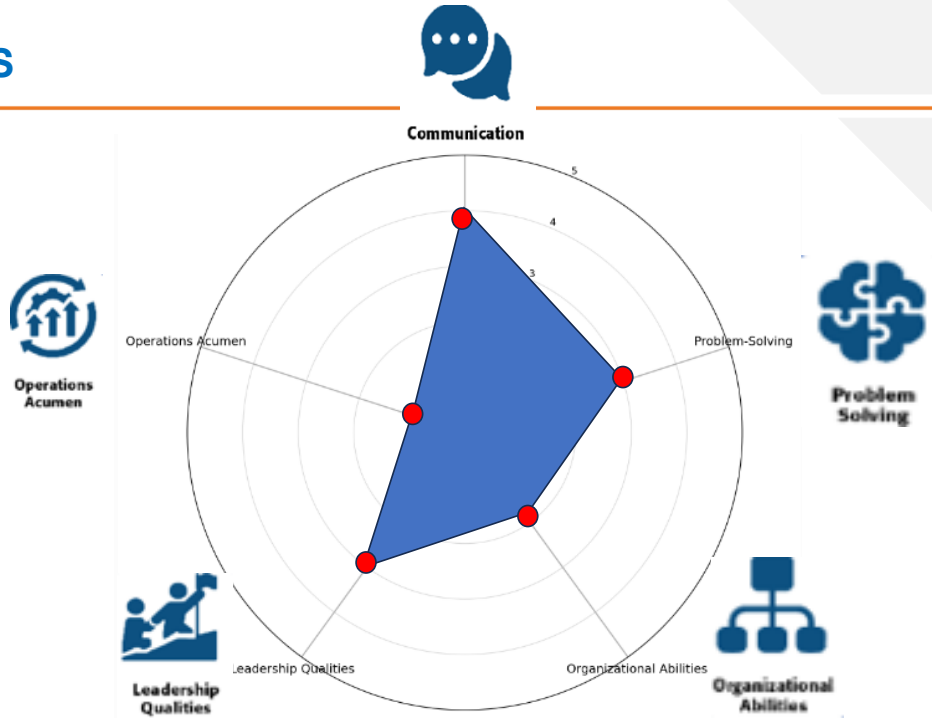
RESOURCES https://youtu.be/BxFkLMRSsYc?si=tVF-qlyforrnt-gQ

How to Set Up Your Mentoring Preferences & Get Started

Watch this short video for step-by-step guidance through the complete IEEE Collabratec mentoring process. Learn how to set up your mentoring profile, find and connect with a mentor or mentee, request a partnership, and track your mentoring relationship, all in one place.



RESOURCES



IEEE Life members

IEEE Mentoring Sessions

IEEE Foundation Donor Supported Program

(PART 4)

BONUS

BACKUP WHAT MENTEES CAN USE?



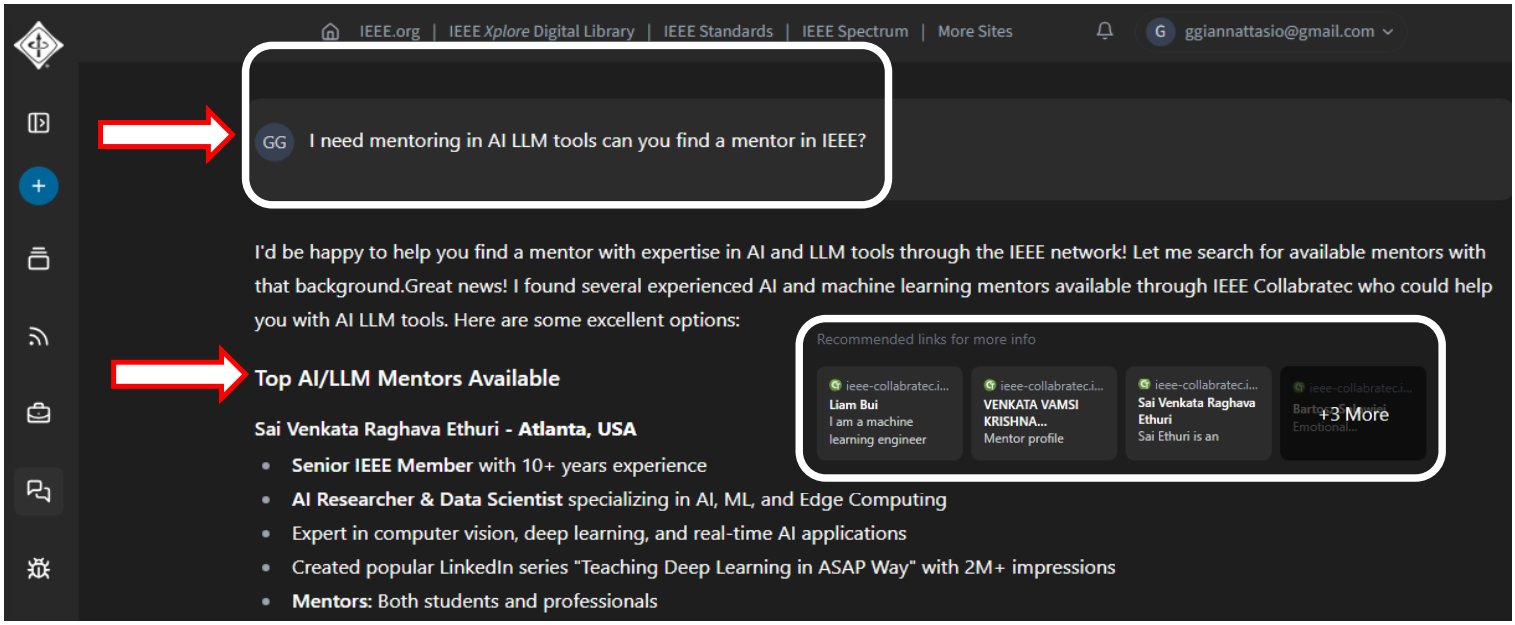
IEEE





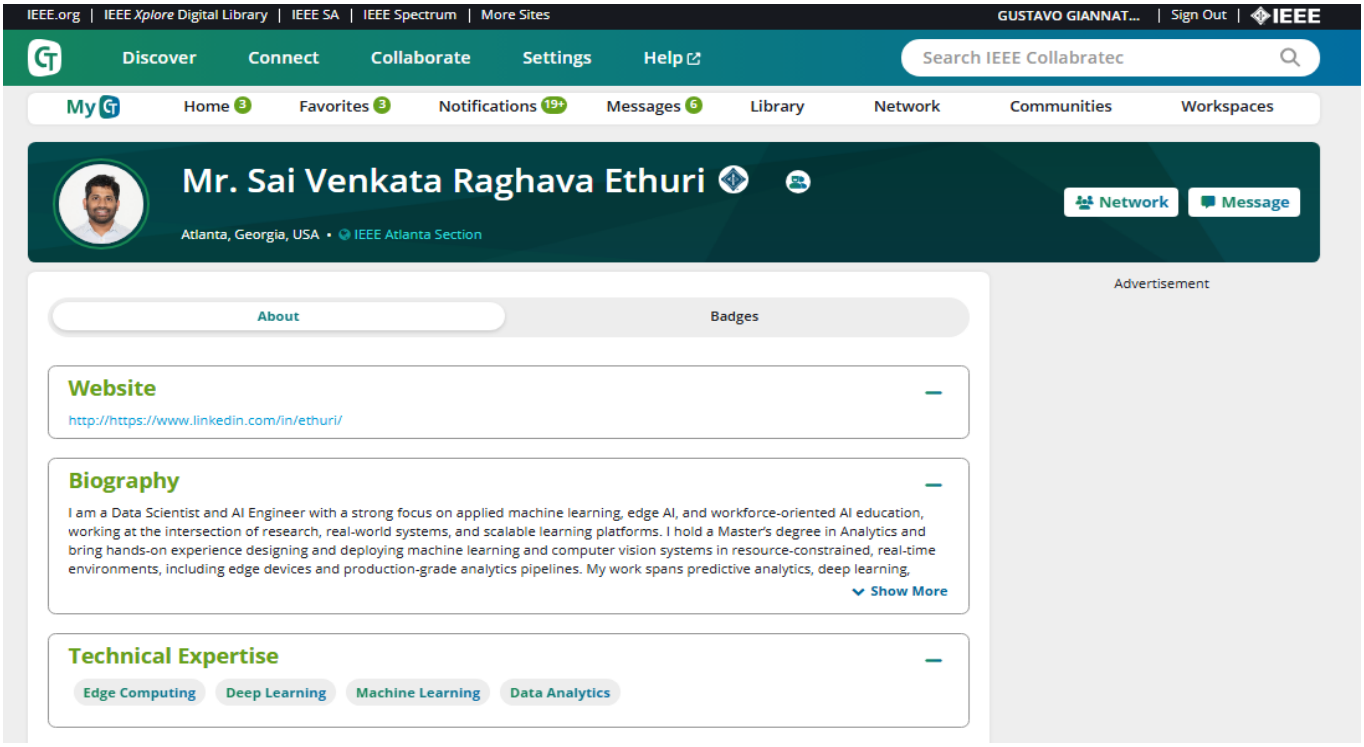
IEEE COUNSELOR (ICGC): Ask for Mentors in a specific area

https://icgc-beta.ieee.org/



Note: (Shown only The first in The list of Mentors for such need)

Selected Mentor Information

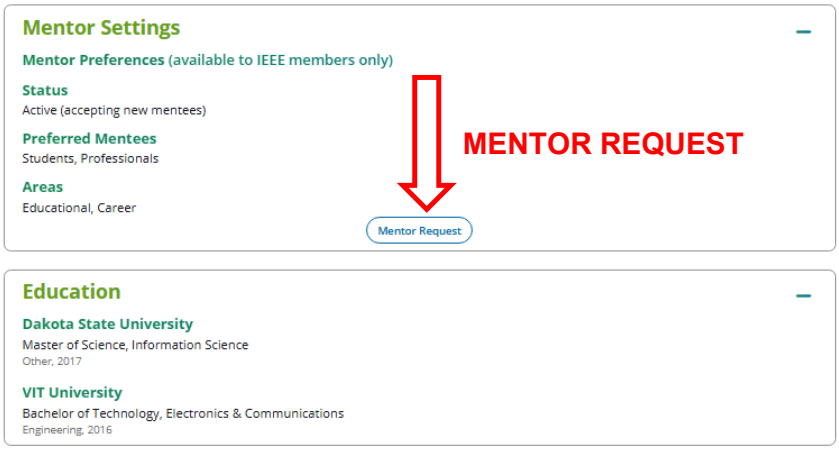


How to Contact The Mentor (1/2)

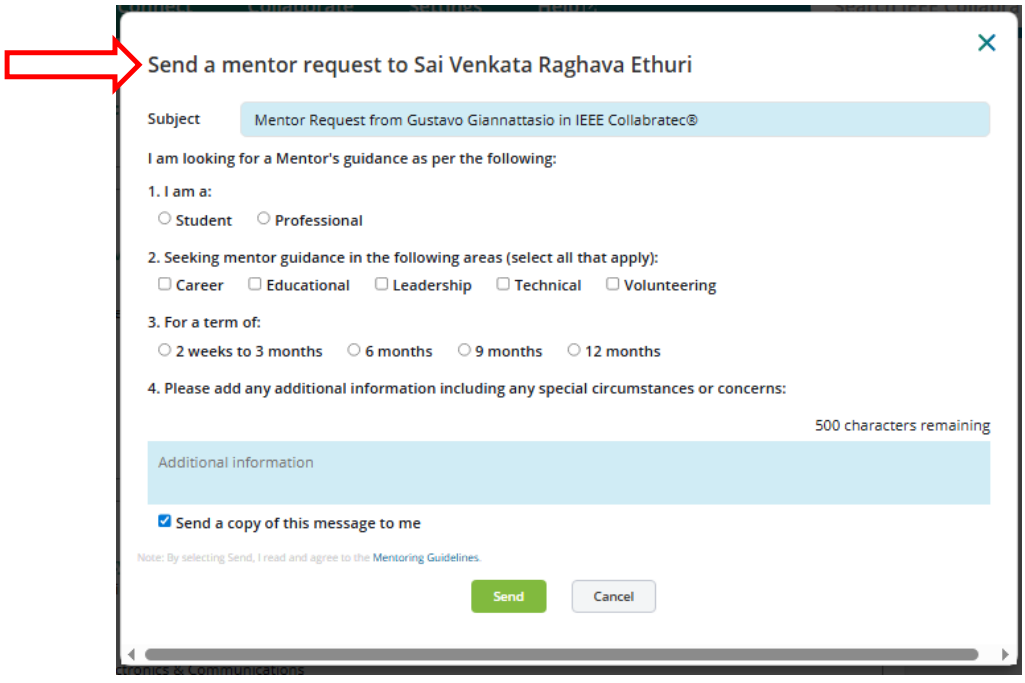
How to Connect

1. **Visit IEEE Collabratec** and create/login to your account
2. **Click on their profile links** above to view full details
3. **Send a mentorship request** explaining your specific LLM interests
4. **Be specific** about what aspects of AI LLM tools you want to learn

These mentors have demonstrated expertise in machine learning, AI systems, and practical implementation - perfect for guidance on LLM tools

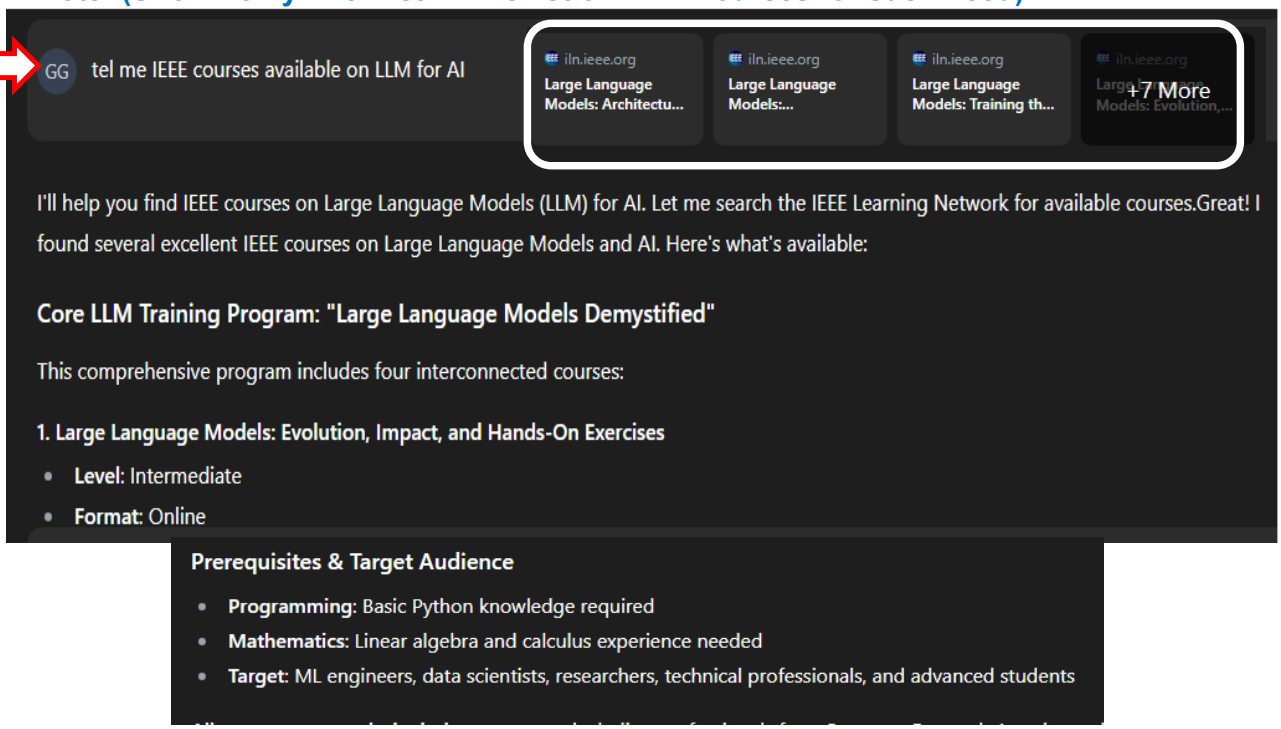


How to Contact The Mentor (2/2)

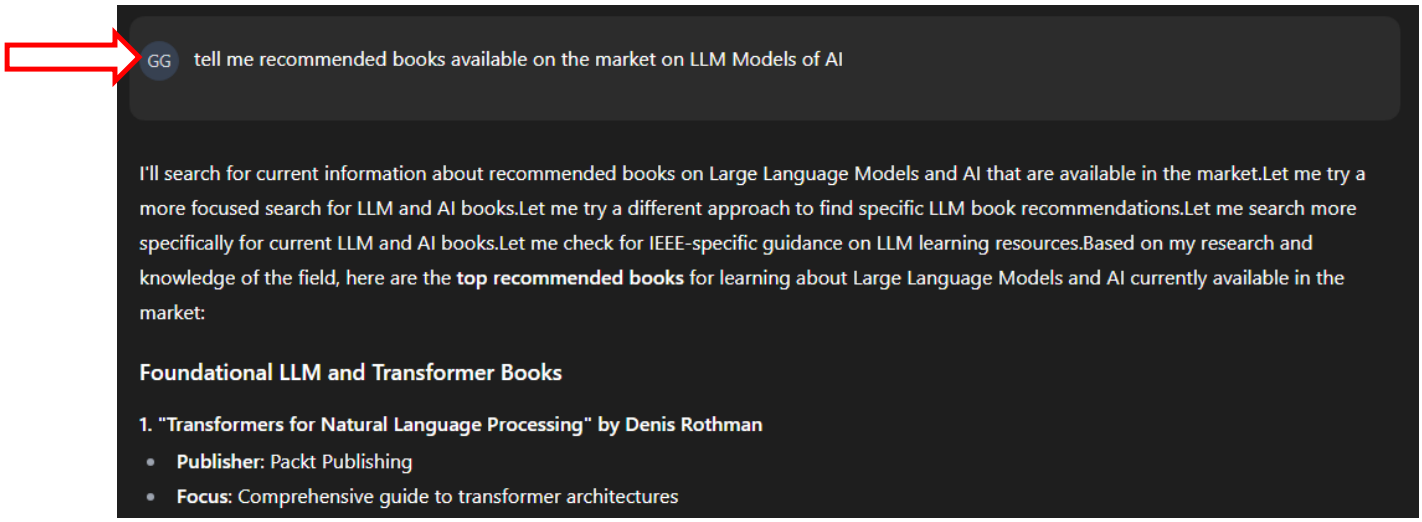


Asking IEEE Courses on The Topic

Note: (Shown only The first in The list of IEEE Courses for such need)



Asking for Books on The Topic



Note: (Shown only one book reference of an Extensive list of Books)

Asking how can I connect with other Like-Minded Professionals?

Alternative Ways to Connect with Like-Minded Professionals

IEEE Communities and Groups

- **IEEE Computer Society AI Community** - Join special interest groups focused on AI and machine learning
- **IEEE Young Professionals** - Local and virtual chapters often have AI-focused networking events
- **IEEE Student Branches** - Many universities have active AI and ML study groups

IEEE Events and Conferences

Let me search for upcoming IEEE AI conferences where you can network with peers:### **Networking Opportunities Through IEEE Events**

Here are upcoming IEEE AI/ML conferences where you can connect with peers interested in similar topics:

Upcoming 2026 Conferences:

- **IJCNN 2026** (June 21-26, Maastricht, Netherlands) - International Joint Conference on Neural Networks
- **CogMI 2026** (November 4-6, San Jose, USA) - Cognitive Machine Intelligence
- **AAIML 2026** (March 20-22, Tokyo, Japan) - Advances in AI and Machine Learning
- **SIML 2026** (June 10-11, Indonesia) - Smart Computing, IoT, and Machine Learning

IEEE COUNSELOR (ICGC): Ask for Mentors in Leadership

PROMPT

I am student of telecomunication at university of Miami , need to contact a mentor in IEEE to improve my leadership skills to conduct projetcs

Great news, Gustavo! Here are some IEEE mentors who are open to working with students and have strong backgrounds in **leadership, project management, and telecommunications** — all highly relevant to your goals:

Recommended IEEE Mentors for You

1. Venkatraman Viswanathan

Accepting: Students
Location: Loganville, USA

A PMP-certified IT Project Manager with 10+ years leading complex technology projects. His expertise covers

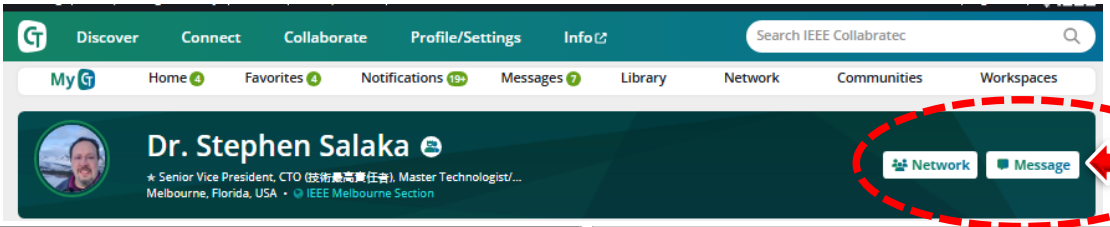
2. Stephen Salaka

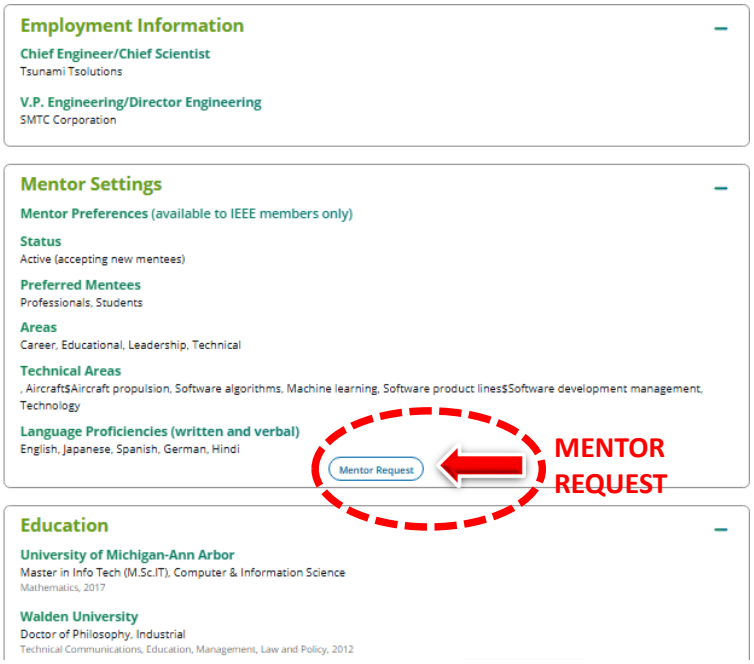
Accepting: Professionals & Students
Location: Melbourne, USA | Speaks: English, Spanish (+ others)

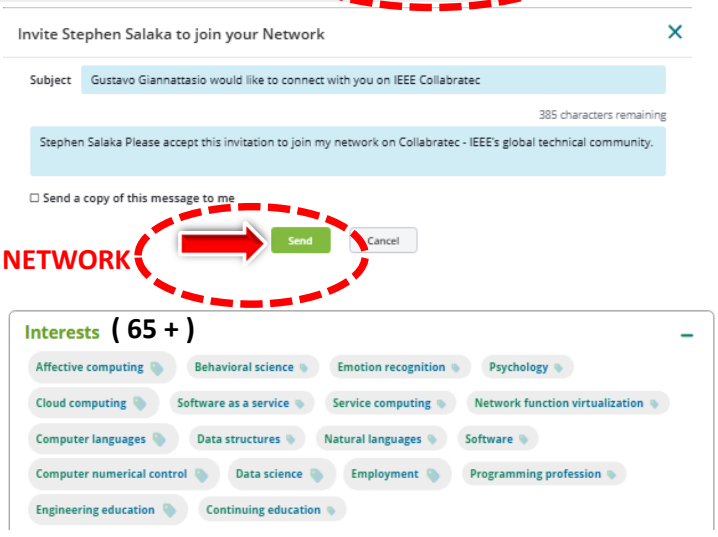
(FIVE MORE...)

A Senior IEEE Member with **20+ years leading global projects**, strategic planning, and change management. He has coordinated distributed international teams and has consulting experience with Fortune 500 companies. His Spanish fluency may also be a bridge for you as a Latin American professional.

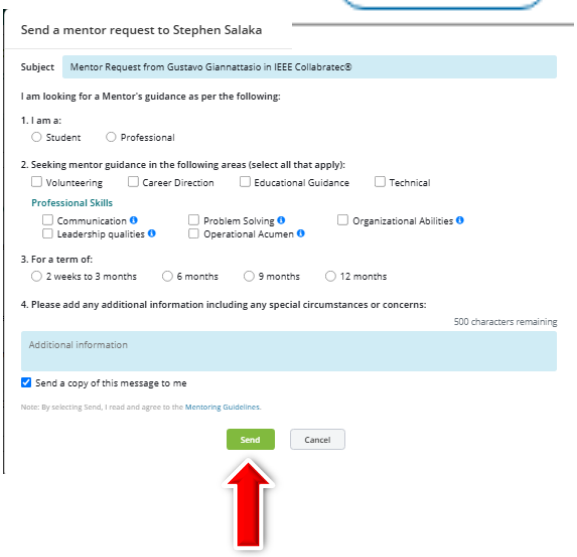
View Profile

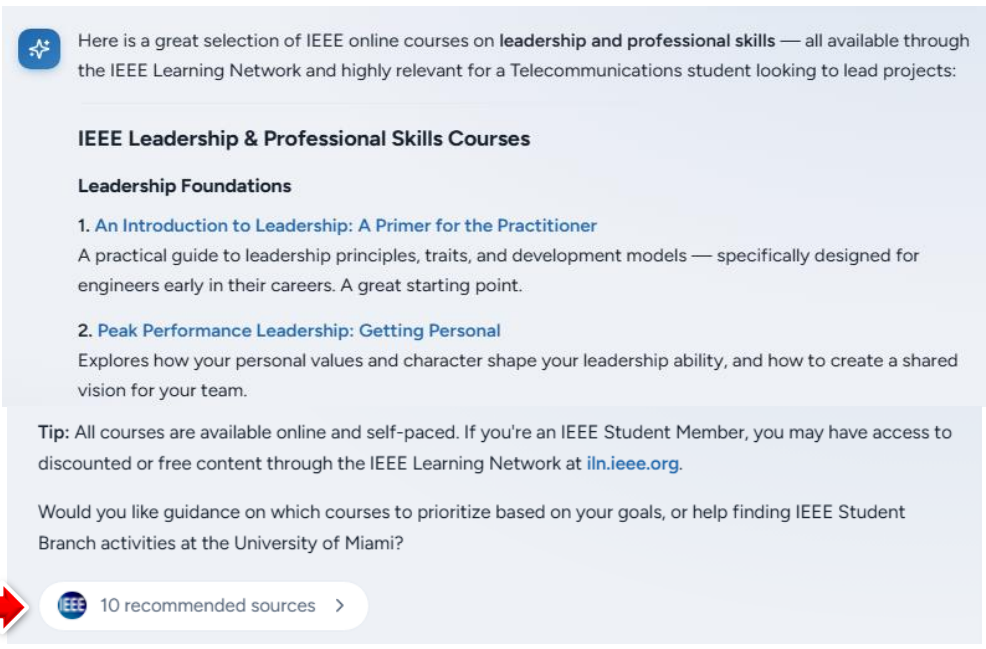

Discover
Connect
Collaborate
Profile/Settings
Info
Search IEEE Collabratec
My
Home
Favorites
Notifications
Messages
Library
Network
Communities
Workspaces
Dr. Stephen Salaka
★ Senior Vice President, CTO (技術最高責任者), Master Technologist/...
Melbourne, Florida, USA • IEEE Melbourne Section
Network
Message
NETWORK
MANAGE


Employment Information
Chief Engineer/Chief Scientist
Tsunami Tsolutions
V.P. Engineering/Director Engineering
SMTC Corporation
Mentor Settings
Mentor Preferences (available to IEEE members only)
Status
Active (accepting new mentees)
Preferred Mentees
Professionals, Students
Areas
Career, Educational, Leadership, Technical
Technical Areas
, Aircraft$Aircraft propulsion, Software algorithms, Machine learning, Software product lines$Software development management, Technology
Language Proficiencies (written and verbal)
English, Japanese, Spanish, German, Hindi
Mentor Request
MENTOR
REQUEST
Education
University of Michigan-Ann Arbor
Master in Info Tech (M.Sc.IT), Computer & Information Science
Mathematics, 2017
Walden University
Doctor of Philosophy, Industrial
Technical Communications, Education, Management, Law and Policy, 2012


Invite Stephen Salaka to join your Network
Subject
Gustavo Giannattasio would like to connect with you on IEEE Collabratec
385 characters remaining
Stephen Salaka Please accept this invitation to join my network on Collabratec - IEEE's global technical community.
Send a copy of this message to me
NETWORK
Send
Cancel
Interests (65 +)
Affective computing
Behavioral science
Emotion recognition
Psychology
Cloud computing
Software as a service
Service computing
Network function virtualization
Computer languages
Data structures
Natural languages
Software
Computer numerical control
Data science
Employment
Programming profession
Engineering education
Continuing education


Mentor Request
MENTOR
REQUEST


Send a mentor request to Stephen Salaka
Subject
Mentor Request from Gustavo Giannattasio in IEEE Collabratec®
I am looking for a Mentor's guidance as per the following:
1. I am a:
Student
Professional
2. Seeking mentor guidance in the following areas (select all that apply):
Volunteering
Career Direction
Educational Guidance
Technical
Professional Skills
Communication
Problem Solving
Organizational Abilities
Leadership qualities
Operational Acumen
3. For a term of:
2 weeks to 3 months
6 months
9 months
12 months
4. Please add any additional information including any special circumstances or concerns:
500 characters remaining
Additional information
Send a copy of this message to me
Send
Cancel
SEND
MESSAGE


Here is a great selection of IEEE online courses on leadership and professional skills — all available through the IEEE Learning Network and highly relevant for a Telecommunications student looking to lead projects:
IEEE Leadership & Professional Skills Courses
Leadership Foundations
1. An Introduction to Leadership: A Primer for the Practitioner
A practical guide to leadership principles, traits, and development models — specifically designed for engineers early in their careers. A great starting point.
2. Peak Performance Leadership: Getting Personal
Explores how your personal values and character shape your leadership ability, and how to create a shared vision for your team.
Tip: All courses are available online and self-paced. If you're an IEEE Student Member, you may have access to discounted or free content through the IEEE Learning Network at iln.ieee.org.
Would you like guidance on which courses to prioritize based on your goals, or help finding IEEE Student Branch activities at the University of Miami?
10
RECOMMENDED
SOURCES
10 recommended sources

PROMPT

free leadership contents for IEEE Student Memebr

Peak Performance Leadership Series *(by Dr. James LoPresti, Univ. of Colorado)*

A multi-part series tailored for engineers and project leaders:

1. **Getting Personal** — Core values, personal character, and creating a shared vision
2. **Emotional Intelligence** — The four domains of EQ and how to improve them (includes self-assessment)
3. **The Whole Brained Leader** — Using holistic thinking and metaphors to solve leadership challenges
4. **The Leader as Relationship Builder** — Building high-performing teams and improving communication (includes two self-assessments)

How to Access

1. Log in at iln.ieee.org with your IEEE account
2. Browse or search for the course titles above
3. Many of these are **free for IEEE Members**, including Student Members

These courses pair well with connecting to a mentor, which we discussed earlier. Would you like help prioritizing which courses to take first based on your goals?