



**IEEE**

**IEEE GREECE SECTION**

**Circuits and Systems Joint Chapter CAS04/SSC37**

**IEEE CASS**

Region **8** 

**CHAPTER  
LEADERSHIP  
WORKSHOP**

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**33<sup>rd</sup> IEEE International Conference on Electronics,  
Circuits and Systems (ICECS 2026)**

**Organizers:**

- [Prof. Costas Psychalinos](#), IEEE Greece CASS Chapter Chair, University of Patras, Greece.
- [Prof. Maurizio Valle](#), R8 Board of Governors (Regional Member at Large), North Italy CASS Chapter Chair, University of Genova, Italy.
- [Prof. Yongfu Li](#), IEEE CASS Vice President RAM, Shanghai Jiao Tong University, China.
- [Francois Rivet](#), Board of Governors (Member at Large), University of Bordeaux, France.

| Time              | Duration | Talk                                                                                                                                       | Speaker                                                                                                                                 |
|-------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 2:00 PM - 2:10 PM | 10 min   | Opening Remarks & Workshop Objectives                                                                                                      | Workshop Organizers                                                                                                                     |
| 2:10 PM - 2:30 PM | 20 min   | Launching CAS, RAS and WiE Student Branch Chapters and Supporting Participation in IEEE CASS Design Competitions                           | <a href="#">Prof. Erivelton Nepomuceno</a> , Nonlinear Circuits and Systems Technical Committee (NCAS TC), Maynooth University, Ireland |
| 2:30PM - 2:50PM   | 20 min   | Strategic Initiatives, Growth Trajectories, and Operational Outcomes of the IEEE Egypt Section Circuits and Systems Society (CASS) Chapter | <a href="#">Prof. Ahmed H. Madian</a> , IEEE Egypt Section Chair, NILE University, Egypt                                                |
| 2:50 PM - 3:10 PM | 20 min   | From Student Engagement to Sustainable CASS Membership: Lessons from the IEEE CASS Türkiye Chapter                                         | <a href="#">Prof. Mustak Erhan Yalcin</a> , IEEE Türkiye CASS Chapter Chair, Istanbul Technical University, Türkiye                     |
| 3:10 PM - 3:30 PM | 20 min   | Connecting Students with Industry through the IEEE CASS Germany Chapter                                                                    | <a href="#">Prof. Zidu Li</a> , IEEE Germany CASS Chapter Secretary, Universität Siegen, Germany                                        |
| 3:30 PM – 4.00 PM | 30 min   | <b>Break</b>                                                                                                                               |                                                                                                                                         |
| 4:00PM - 4:20 PM  | 20 min   | From Circuits to Communities: Empowering the Next Generation through IEEE CASS STEM Outreach                                               | <a href="#">Prof. Abdallah Kassem</a> , IEEE Lebanon CASS Chapter Chair, Notre Dame University-Louaize (NDU), Lebanon                   |
| 4:20 PM - 4:40 PM | 20 min   | Restarting the IEEE Greece CASS Chapter: Good practices and lessons learned                                                                | <a href="#">Prof. Costas Psychalinos</a> , IEEE Greece CASS Chapter Chair, University of Patras, Greece.                                |
| 4:40 PM - 5:00 PM | 20 min   | Concluding and closing remarks                                                                                                             | Workshop Organizers, Speakers, and IEEE Officers                                                                                        |

## Abstracts

### **Launching CAS, RAS and WiE Student Branch Chapters and Supporting Participation in IEEE CASS Design Competitions**

This talk shares practical experience from establishing three new IEEE student branch chapters at Maynooth University: Circuits and Systems Society (CAS), Robotics and Automation Society (RAS), and Women in Engineering (WiE). It describes the steps involved, from recruiting student officers and securing faculty advisors to meeting IEEE administrative requirements and planning early activities that build momentum. It shows how running the three chapters together creates shared membership, joint events and mutual support, rather than each competing for student attention. Building on this foundation, the talk presents an ongoing initiative to create a structured process within the Department of Electronic Engineering that helps students take part in IEEE CASS design competitions, with mentoring, access to resources and alignment with academic activities. It closes with lessons learned, common pitfalls, and transferable recommendations for chapter leaders across Region 8 who want to strengthen student engagement and turn CASS strategies into local action.

### **Strategic Initiatives, Growth Trajectories, and Operational Outcomes of the IEEE Egypt Section Circuits and Systems Society (CASS) Chapter**

This presentation highlights the strategic initiatives, growth strategies, and impact outcomes of the IEEE Egypt Section Circuits and Systems Society (CASS) Chapter in advancing microelectronics, integrated circuits (IC), and system-level research across the local and regional engineering ecosystem. To address the growing demand for specialized hardware design, deep-tech skills, and industry-ready talent, IEEE Egypt CASS implemented a targeted framework focused on three primary pillars: capacity building, academic-industrial collaboration, and student engagement.

Key initiatives include technical workshops on VLSI and analog/digital IC design, expert-led seminar series, and mentorship programs tailored for graduation projects and joint chapter activities.

Quantifiable outcomes demonstrate marked increases in active professional and student memberships, heightened participation in technical design competitions, and a stronger regional pipeline connecting academic research with the semiconductor industry.

These efforts establish a scalable model for technical society chapters aiming to accelerate local technological adoption and professional development within emerging engineering economies.

### **From Student Engagement to Sustainable CASS Membership: Lessons from the IEEE CASS Türkiye Chapter**

Sustainable growth of IEEE and IEEE Circuits and Systems Society (CASS) membership requires more than recruiting established professionals who are already embedded in existing professional and social networks. Our experience in the IEEE CASS Türkiye Chapter suggests that a more sustainable strategy is to build strong relationships with young engineers while they are still students and forming their professional identities and communities. In Türkiye, close cooperation with university student organizations supported the establishment of the IEEE ITU CASS Student Branch Chapter and enabled a growing portfolio of technical trainings, seminars, industry talks, company visits, and student activities. These initiatives helped students experience CASS not only as a technical society, but also as an international professional community.

For students, one of IEEE's strongest differentiators among many university clubs is its global character. This advantage becomes meaningful only when students can actively experience it. We therefore argue that CASS should place greater emphasis on cross-border student engagement through joint events, collaborative projects, competitions, and mobility activities connecting IEEE and

CASS Student Branch Chapters in different countries. Dedicated financial support mechanisms are essential to make such participation accessible.

Looking further ahead, IEEE and CASS could also act as a framework for international master's pathways, joint doctoral initiatives, and other structured academic collaborations among universities. Strong relationships formed during the student years can then continue into professional life through technical development, industry engagement, and international peer networks. These long-term professional connections can become an important reason for graduates to retain their IEEE and CASS membership.

Based on lessons from the Türkiye Chapter, this presentation proposes a student-centered membership development model that links recruitment, international belonging, academic collaboration, and professional continuity, with the aim of building a stronger and more sustainable CASS community across Region 8.

### **Connecting Students with Industry through the IEEE CASS Germany Chapter**

Building connections between students and local industry can help ease the transition from university to professional life. The IEEE CASS Germany Chapter has organized an experience-sharing events that provide students an opportunity directly exchanging with professionals working in different career levels in German companies. It is more helpful for international students, who may also face additional challenges to understand the German industrial environment, workplace culture, career paths, and expectations. Through this direct interaction with industry people, students can gain practical insights, ask questions, and develop a better understanding of preparation for future careers in Germany. This presentation will share our experience in organizing this activity, discuss the value of direct student–industry interaction, and highlight lessons learned. We hope that this approach can provide a practical and transferable model for other CASS Chapters seeking to strengthen connections between students and local industry.

### **From Circuits to Communities: Empowering the Next Generation through IEEE CASS STEM Outreach**

This talk presents the experience of the IEEE Lebanon Joint Chapter, IE13/PE31/CAS04/PEL35 (CH08625) in using STEM outreach as a key component of Chapter engagement and community impact. Beyond traditional technical and professional activities, the Chapter has developed initiatives that introduce school students and young learners to circuits, electronics, programming, robotics, renewable energy, and emerging technologies through practical and engaging experiences.

The presentation highlights several initiatives, including Arduino and Raspberry Pi workshops for high-school students, robotics activities for orphaned children using programmable boards, pre-university STEM outreach focused on renewable energy and circuits and systems, and the “ECO SMART CITY” Workshop & Competition, which engages students from public and private high schools in Arduino coding and circuit assembly. The Chapter has also organized a four-day Technological Summer Camp for students aged 12–17, providing hands-on exposure to Arduino programming and electronic systems.

Drawing on these experiences, the talk will share practical approaches for IEEE CASS Chapters to expand their impact through hands-on STEM education, partnerships with schools and other IEEE entities, inclusive community outreach, and activities that connect circuits and systems with real-world challenges. The objective is to demonstrate how Chapter activities can inspire younger generations, strengthen the engineering pipeline, and create lasting connections between IEEE, universities, schools, and local communities.

### **Restarting the IEEE Greece CASS Chapter: Good practices and lessons learned**

This talk presents the experience of the IEEE Greece CASS Chapter Chair during the process of the local Chapter restarting. The followed steps are analytically described, including the selection criteria of the officers, the establishment of the Chapter's site, the chosen activities (such as the organization of Seasonal Schools, Conferences, and lectures within the IEEE CASS Distinguished Lecture Program), as well as the future plans for further development.

In addition, the difficulties which have been faced in these years are discussed, including also the followed strategy for overcoming these obstacles.

The outcome of this talk is intended to be a helpful guide for officers which want to establish a sustainable CASS Chapter. Towards this goal, suggested good practices and, also, the lessons learned, will conclude this talk.