![IEEE Region 8]

Technical Activities
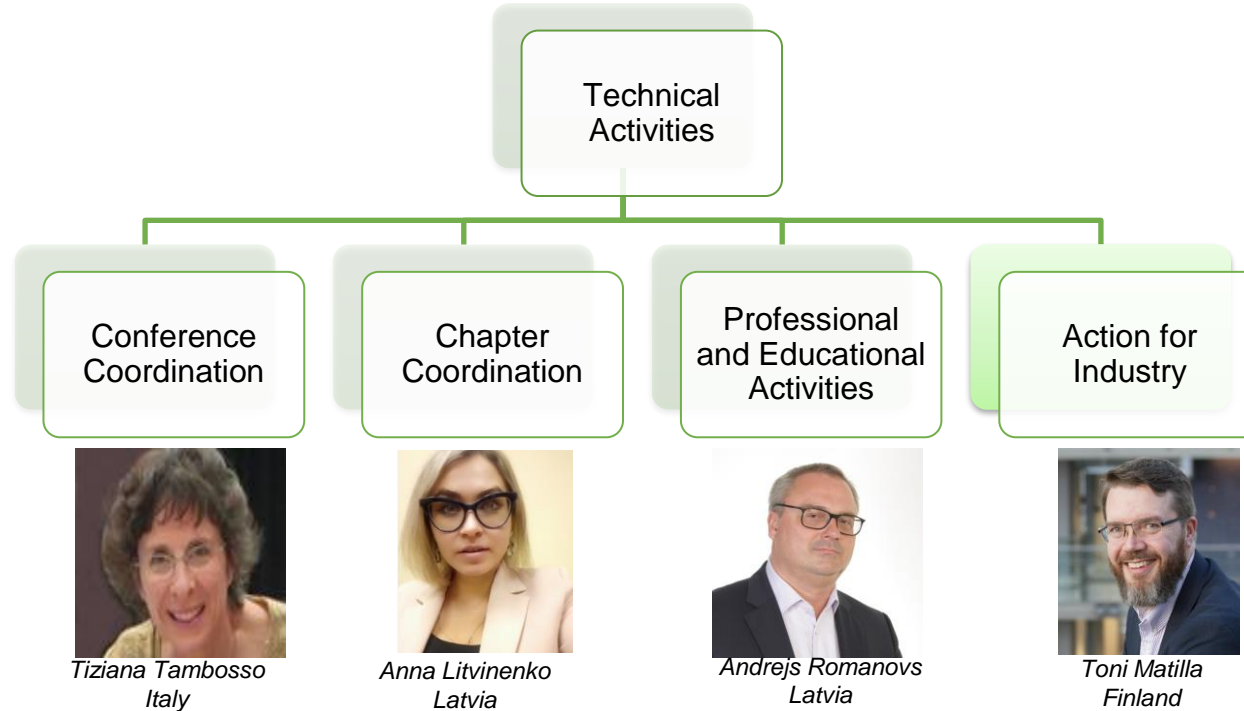
Marios Antoniou

Region 8 Committee Meeting Fall 2024

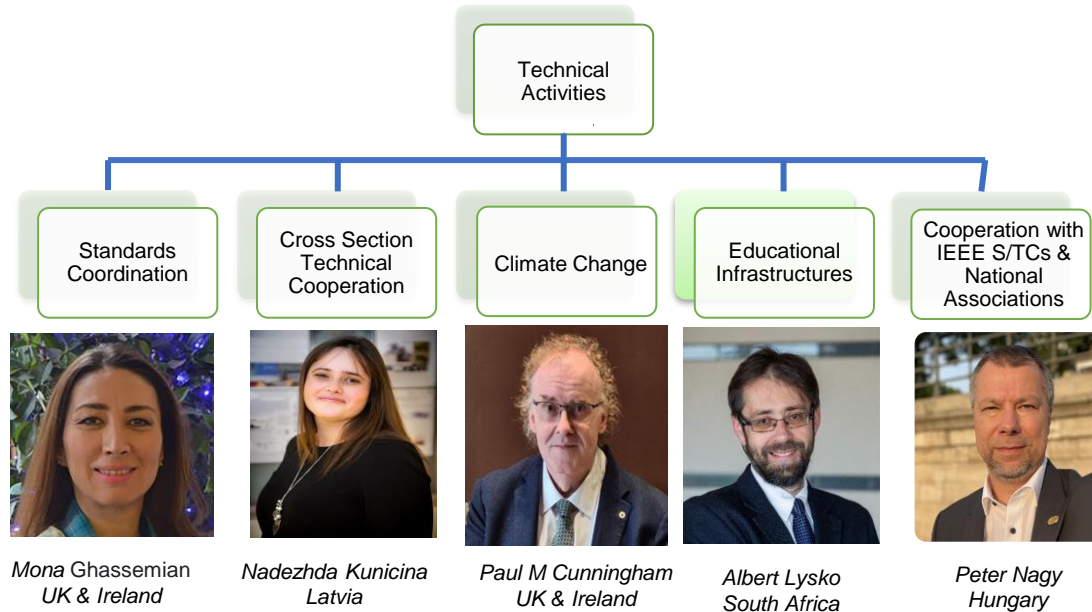*Bordeaux 20 October 2024*

IEEE
Advancing Technology
for Humanity

Technical Activities

Committees

Technical Activities

- Conference Coordination
- Chapter Coordination
- Professional and Educational Activities
- Action for Industry

Tiziana Tambosso
Italy

Anna Litvinenko
Latvia

Andrejs Romanovs
Latvia

Toni Matilla
Finland

*Insert photo

Technical Activities

Ad Hoc Committees


```
                        Technical
                        Activities
    ┌──────────┬──────────┼──────────┬──────────┐
Standards    Cross Section   Climate     Educational    Cooperation with
Coordination Technical      Change      Infrastructures IEEE S/TCs &
             Cooperation                                National
                                                        Associations
```

Mona Ghassemian
UK & Ireland

Nadezhda Kunicina
Latvia

Paul M Cunningham
UK & Ireland

Albert Lysko
South Africa

Peter Nagy
Hungary

Technical Activities Goals

GOALS	KPIs
1. Bidirectional communication with Sections and involvement of Section representatives in Technical Activities.	Regular online meetings, trainings for Section representatives.
2. Maintain a healthy conferences outlook, explore new flagship conferences. Include industry focused events in flagship conferences.	Number of TCS/FCS conferences. 2 industry events.
3. Improve educational activities programs.	2 events for Continuous Education.
4. Expand Action for Industry programs.	Number of internships and MoUs.
5. Increase cooperation between TA committees with MA and SA committees.	2 joint meetings and events with Region 8 MA and SA committees.
6. Expand international outlook through the collaboration between R8 TA with TA in other Regions.	2 joint calls with Technical Activities committees in other Regions.

Technical Activities highlights

▶ ***New initiative for Industry Tracks at Region 8 Flagship conferences.***

Events, workshops and panels for Industry, Standards, and Climate Change during Region 8 Flagship conferences.

Action for Industry Committee (AfI) organized industry workshops for Entrepreneurship during Melecon 2024 and AI during RTSI 2024.

▶ ***Why Standards Matter, How IEEE Standards Drive Industry Advancement and Foster Entrepreneurial Success****'* .

▶ **Flash: IEEE Region 8 Professional and Educational Activities and Resources.**

▶ **Climate Change Activities. Funded by IEEE foundation and HTB.**

Technical Activities highlights

▸ Organization of MELECON 2024, Porto, Portugal, 25-27 June 2024.

▸ Organization of RTSI 2024, Lecco, Italy, 18-20 September 2024.

▸ Training for flagship and portfolio conference organizers, MELECON 2024.

▸ Region 8 Section Industry Ambassador Workshop in conjunction with Region 8 SYP Congress, Grenoble France. 11 Sections participated in the workshop.

▸ Technical Activities (Climate Change Panel, AfI workshop PEAC workshop) during Region 8 SYP, Grenoble France.

▸ Chapter Chairs training during Region 8 Volunteer Leadership Training Workshop, Skopje, North Macedonia.

Technical Activities plans

- **6th IHTC** 2024 Multi Regional conference. Bari, Italy. November 27-30.

  - Several corporate CEOs and government authorities, UN representatives confirmed their participation in the program as keynote speakers, panelists, and special event organizers. Companies have already supported the conference as Gold/Silver sponsors.

  - TCS of five societies (Education Society, GRSS, IAS, PES, OES). IEEE Humanitarian Technologies Board is a financial supporter and a technical co-sponsor.

  - R8 Humanitarian Activities Congress will be organized in parallel with the conference.

- **Region 8 Robot Championship and STEM Activities**. Valetta, Malta.

- **2025 AFRICON 2025** Polokwane, South Africa, December 10-12, 2025.

- **VLT 2025.** Tunisia, 2025

Conference Coordination Committee

Fall 2024

Tiziana Tambosso

Conference Coordination Committee 2024

Tiziana Tambosso (Italy)
Chair

Habib M. Kammoun (Tunisia)
Past-Chair

Abdellah Kouzou
(Algeria)

Shaun Kaplan
(Germany)

Nadezhda Kunicina
(Latvia)

Robert Bierwolf
(Benelux)

Sergio Rapuano
(Italy)

Katerina Papanikolaou
(Cyprus)

Aleksandar Mastilovic
(Serbia)

Pascal Lorentz (France)
Finance Committee Liaison

Paul M. Cunningham (Ireland)
Climate Change Committee liaison

ex officio - members 2024
- Peter Nagy (Hungary)
- Antonio Luque (Spain)
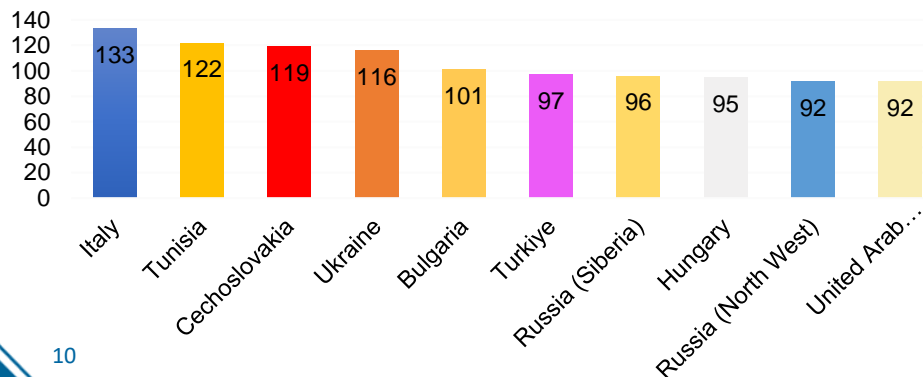- Maciej Ogorzalek (Poland)

webpage: http://conferences.ieeer8.org/
Email: conferences.officer@ieeer8.org
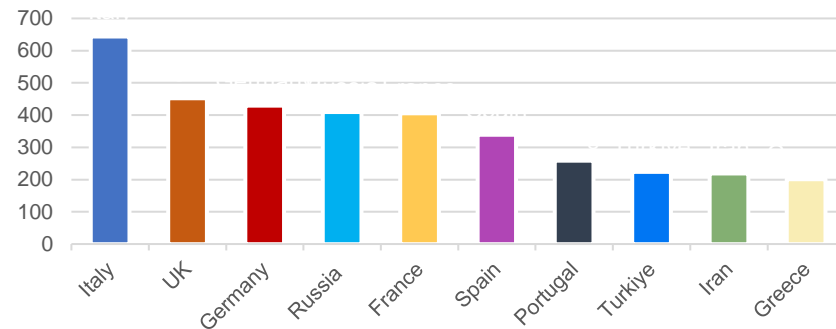
Statistics

In the last 10 years

➢ **7,752** Conferences were organized in R8

➢ **21%** were TCS by R8 **Sections**

➢ **12%** were FCS by R8 **Sections**

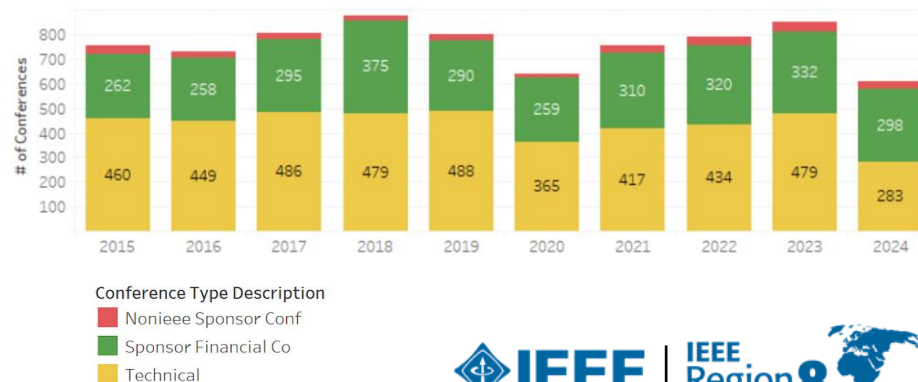➢ **R8** TCS **114** and FCS **109** conferences

TOP 10 SECTION TCS/FCS CONFERENCES IN LAST 10 YEARS

Top 10 countries hosting conferences TCS/FCS by IEEE units, during the last 10 years

Reg 8 Submissions by Year and Conference Type

Conference Type Description
- Nonieee Sponsor Conf
- Sponsor Financial Co
- Technical

Highlights

➢ The proposal for the 2024 MGA Surplus Funding titled: "**New Initiative for Industry Tracks at R8 Flagship Conferences**" has been accepted. (period: 1 June - 31 Dec., 2024)

Aim - increase the benefits and number of our **industry members**, as well as further engaging existing ones, by introducing **dedicated content** during **R8 flagship/portfolio conferences.**

This project has increased **cooperation and synergy between R8 Committees** of TA, MA and SA.

➢ **R8 Conference leadership Workshops (**in cooperation with IEEE MCE and with participation of IEEE Conference Committee).

   - first workshop (hybrid) March 1, 2024

   - Second workshops (hybrid) in conjunction with MELECON 2024

   - third workshop (virtual) on November 13, 2024

IEEE | IEEE Region 8

2024 Flagship and Portfolio Conferences

March 4-7 2024, **8th ENERGYCON** Doha, Qatar

https://ieee-energycon2024.com/

- 60 papers published on IEEExplore
- About 150 attendees
- 13 technical sessions. 3 keynotes (2 physical and 1 virtual)
- 2 tutorials, 2 industry panels and 1 WIE panel

http://flagship-conferences.ieeer8.org/

IEEE | IEEE Region 8

2024 Flagship and Portfolio Conferences

June 25-27, 2024 **22nd MELECON** Porto - Portugal

https://2024.ieee-melecon.org/

- 353 Attendees
- Academia 77.90%, Industry 11.23%, Research Center 10.51%, Other 0.36%
- 239 papers published on IEEExplore, 40 technical sessions
- IEEE President-Elect gave a keynote speech
- 4 Keynotes, 4 Tutorials, 6 Technical Workshops exploring current industry trends and research breakthroughs
- 7 IEEE events (panels/workshops/competition) organized by IEEE Region 8 committees (Conference Committee, AfI Committee, HAC, WIE, YP, SAC, R8 Student paper contest), some in cooperation with IEEE Portugal Section

2024 Flagship and Portfolio Conferences

September 18-20, 2024, **8th RTSI**, Lecco, Italy

https://2024.ieee-rtsi.org/

- 320 attendees the highest since the beginning (first edition in 2015).
- **25% from industry**
- 35 Countries, 14 EU, the others from Africa, Asia, and North America
- 117 paper accepted for publication on IEEExplore
- 10 special events (panels/workshops/one competition) organized by IEEE Region 8 committees (AfI Committee, HAC, WIE, YP, SAC) and Italy Section Committees and OUs (WIE-AG, YP-AG, Entrepreneurship, EMB Chapter). Six of them with an industry focus and a great participation of industry speakers/panelists.
- The meeting of R8 Student Branch Counselors (organized by R8 SAC) has been held in conjunction with RTSI 2024 with more than 30 delegates.

2024 Flagship and Portfolio Conferences

November 27-30, 2024 **6th IHTC**, Bari - Italy

https://2024.ieee-ihtc.org/

- The conference is multi-region (R7, R8, R9).
- TCS of five societies (Education Society, GRSS, IAS, PES, OES) and IEEE HTB, 10 Italian Chapters, Italy Section WIE AG and YP AG
- For the first time this conference will have the financial support of many industries and the involvement of many CEOs and Government representatives as speakers.
- A strong cooperation with other R8 Committees both from TA (Afi, CoCC, Climate Change), MA (HAC, WIE, YP, …), SAC and IEEE HTB has been established to organize many special events, panels, workshops and competitions.
- The R8 HAC Congress will be organized in parallel with the conference
- 14 workshops, panels and competitions will be organized (see preliminary program and list of plenary, invited and keynote speakers on the website).
- Panelists and keynote speakers from: UNESCO, UNGSC, International Energy Agency, National Council of Economy and Occupation, Energy Regulatory Authorities of Europe, Africa and Middle East, Ministry of the Environment and Energy Security and 6 executives from Energy big companies (Terna, Enel, ENI, Acquedotto Pugliese) and two Research Centers (RSE and ENEA).

2024 R8 FCS Conferences

IEEE EDUCON 2024
IEEE Global Engineering Education Conference

May 8-11 2024, Kos – Greece
https://2024.ieee-educon.org/

- 379 papers published on IEEExplore
- 16 Workshops and tutorials
- 61 regular session and 11 special sessions, 2 virtual sessions
- Authors (51% Europe, 26.1% Latin/America, 9% Asia/Pacific, 6.7% ME/Africa, 5.6% US, 1,6% Canada)

29th IEEE Symposium on Computers and Communications (ISCC)
IEEE ISCC 2024 | 26-29 June, Paris, France
Computers and Communications for the benefits of Humanity

TELFOR

32nd Telecommunications Forum
November 26-27 2024, Belgrade – Serbia
https://www.telfor.rs/en/

IEEE | IEEE Region 8

IEEE CONVENE 2024

In the panel Session: "Strategies for a Lasting Member Engagement trough Conferences", moderated by Cecilia Jankowski (MGA Managing Director), the three speakers (Tiziana Tambosso - R8 CoCC Chair, Deepak Mathur - VP of MGA and Susana Lau - Panama Section chair) explored how strategically planning our events can help us accomplish even more by engaging new audiences, staying nimble, and advancing IEEE mission.

✓ Working together as **OneIEEE**, we can strengthen the impact of our events and make a difference in local host city communities.

✓ By understanding and addressing participants' behaviors, feelings, and goals, we can design events that anticipate their needs and exceed their expectations.

✓ Events can engage and inspire IEEE Members at every stage of their careers.

2025 Flagship and Portfolio Conferences

▸ IEEE RTSI 2025, Gammarth (Tunisia)
August 24-26, 2025
https://2025.ieee-rtsi.org

▸ IEEE EUROCON 2025, Gdynia (Poland)
June 4-6, 2025
https://2025.ieee-eurocon.org

▸ IEEE HISTELCON 2025, Bonn (Germany)
Sept. 30 – Oct. 2, 2025
https://2025.ieee-histelcon.org

2025 AFRICON 2025

December 10-12, 2025

https://2025.ieee-africon.org

Polokwane (South Africa)

Protea Hotel
Polokwane Ranch Resort

General co-chairs:
Prof. Mthulisi Velempini (University of Limpopo) &
Prof. Pitshou Bokoro (University of Johannesburg)

2026 Flagship and Portfolio Conferences

✓ February 2-4, 2026
23rd MELECON
New Cairo, Egypt

✓ August 19-21, 2026
10th RTSI
Espoo, Finland

✓ October 27-29, 2026
9th ENERGYCON,
Paris, France

22nd IEEE EUROCON 2027
12th IEEE AFRICON 2027

11th IEEE RTSI 2027
9th IEEE IHTC 2027

Dead Lines:

▶ **Letter of Intent to host the conference and section endorsement letter:**

30 November 2024

▶ **Final bid**:

31 December 2024

Contact us!

Email: conferences.officer@ieeer8.org

Website: http://flagship-conferences.ieeer8.org/

Thank you!

Chapters Coordination Committee

Fall 2024

Anna Litvinenko

R8 Chapter Coordination Committee 2024

Anna Litvinenko
(Latvia)
Chair

Andrejs Romanovs
(Latvia)
Past Chair

Matej Pacha
(Czechoslovakia)

Filippo Sanfilippo
Norway

Adel M. Alimi
(Tunisia)

Muhammad Al-Barham
(Jordan)

Izzet Kale
UK & Ireland

Atif Iqbal
Qatar

Mohamed Ali Zormati
Tunisia

We are here to serve as an action body to help build relationships between R8 Chapters and their parent Societies and Technical Councils, to encourage the good management and vigor of R8 Chapters, and to investigate and encourage the formation of R8 Chapters.

chapters.officer@ieeer8.org

ieeer8.org/technical-activities

Goals and KPIs

1. Monitoring current state of IEEE Region 8 Chapters.

- New Chapters. Promote the formation of new chapters based on data from OU units and liaisons with Sections. KPI: 2 reports
- Inactive Chapters. Facilitate Sections and Societies / Councils to revitalize inactive chapters. KPI: 2 reports

2. Collecting and promoting best practices relevant to opening, revitalizing and running successful Chapters. KPI:

- Organization of Annual Virtual Chapter Panorama event in December of 2024 year

3. Organization of the R8 ChCC awards ceremony. KPI:

- Revision of awarding procedure (1 awarding procedure)
- R8 ChCC awards evaluation

4. R8 Chapter Chairs training. KPI:

- 1 R8 Chapter Panorama (virtual event) in December of 2024 year
- 1 Chapter Chair Training & MD Coordination Training in April 5-6 of 2024 year in Skopje, North Macedonia

Progress made against each goal and Highlights

1. Monitoring current state of R8 Chapters:

- Report on potential chapters in R8 is made as analysis of IEEE R8 growth - February & October
- Report on chapters vitality in R8 is made as analysis of IEEE R8 activity level - February & October

2. Collecting and promoting best practices relevant to opening, revitalizing and running successful Chapters:

- Chapter Panorama event in December 2024
- Scheduled Chapter Leadership Training in collaboration with the MD committee in Tunisia 2024

3. Organization of the R8 ChCC awards ceremony:

- Prepared proposal for awarding procedure improvement for 2024
- Collected notes, comments, suggestions for awarding procedure improvement for 2025
- Made the Best Chapter awards candidates evaluation for 2023 achievements

4. R8 Chapter Chairs training. KPI:

- Organized Chapter Chair Training & MD Coordination Training in April 5-6 of 2024 year in Skopje, North Macedonia

Highlights - Statistics II

Region:	R8
IEEE Members:	82,321
Society Members:	48,628
Sections:	60
Subsections:	13
Chapters:	660
Affinity Groups:	114
Student Branches:	786
Student Affinity Groups:	210
Student Branch Chapters:	719

Overall status:

- 48628 49920 members of Societies
- 660 Active Chapters
- 719 Active Student Branch Chapters

Trend in comparison with the last report :

- 1292 members of Societies
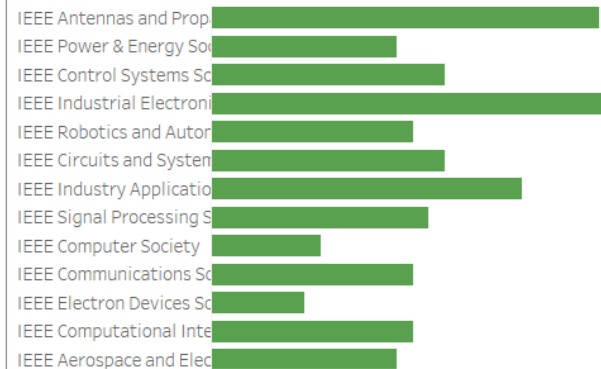+ 13 Technical Chapters
+ 76 Student Branch Chapters

Highlights - Statistics on Potential Chapter Opportunities III
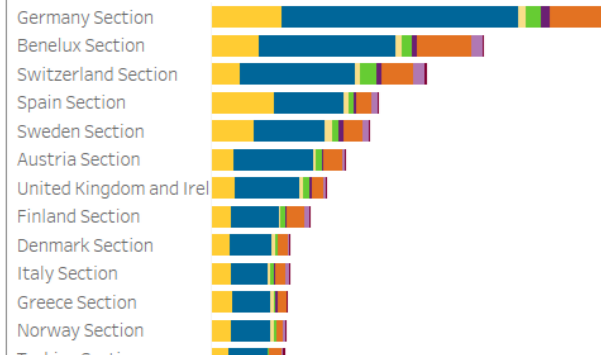

Analysis by Section

14 ▭ 1,139

© 2024 Mapbox © OpenStreetMap

Chapter Opportunities by Society

- IEEE Antennas and Prop
- IEEE Power & Energy Soc
- IEEE Control Systems Sc
- IEEE Industrial Electroni
- IEEE Robotics and Autor
- IEEE Circuits and System
- IEEE Industry Applicatio
- IEEE Signal Processing S
- IEEE Computer Society
- IEEE Communications So
- IEEE Electron Devices So
- IEEE Computational Inte
- IEEE Aerospace and Elec

Members by Section/Grade

- Germany Section
- Benelux Section
- Switzerland Section
- Spain Section
- Sweden Section
- Austria Section
- United Kingdom and Irel
- Finland Section
- Denmark Section
- Italy Section
- Greece Section
- Norway Section
- Turkive Section

Plans for the rest of the year

1. Monitoring current state of IEEE Region 8 Chapters.

- Inactive Chapters. Facilitate Sections and Societies / Councils to revitalize inactive chapters - 1 report in October.

2. Collecting and promoting best practices relevant to opening, revitalizing and running successful Chapters.

- Organization of Annual Virtual Chapter Panorama event in December of 2024 year.
- Survey on training topics for R8 chapter Chairs in Q3-Q4 of 2024 year
- Best practices collection from R8 Best Chapters nominated and awarded chapters in Q3-Q4 of 2024 year

3. Organization of the R8 ChCC awards ceremony. KPI:

- Transfer of the financial prices to 2024 year awardees section or chapters

4. R8 Chapter Chairs training. KPI:

- R8 Chapter Panorama (virtual event) in December of 2024
- Chapter Chair Training & MD Coordination Training in 2025 in Tunisia

Collecting and promoting best practices

The Chapter Panorama includes Chapter basic principles, selected Societies talks, best practices from Best Chapter awardees, thus linking Societies and Sections/Student Branches, educating Chapter volunteers and inspiring prospective Societies and IEEE Members, ensuring enhanced technical interests within Region 8.

The program of the Panorama 2024

- Chapter Coordination Committee - Online Trainings
- Invited talks - IEEE Societies
- Best practices of Student Branch Chapters:
- Discussion on the Best Practices for Student Branch Chapters
- Best practices of Technical Chapters :
- Discussion on the Best Practices for Technical Chapters

To continue this great tradition, the next issue of Chapter Panorama is scheduled for December 2024.

IEEE Region 8 Chapter Chair Training & MD Coordination Training

Chapter Coordination Committee in the close end synergic collaboration with Membership Development Committee is organizing the common training event for Chapters chairs and Section and MD chair in Q1 2025 in Tunisia

Program:

R8 Volunteer Leadership Training history & strategy

State of the Art: IEEE, R8 and Membership Activities

Introduction to Membership Development, member values & satisfaction

State of the Art: IEEE, R8 and Technical Activities

Introduction to Chapter Coordination, State of the Art & strategy

Best Practices of Region 8

IEEE volunteer tools

Interactive Session: Know your Members & Opportunities

Running a successful Chapter

Brainstorming

Exercise: Development of Chapter annual plan

IEEE Region 8 Chapters of the Year Awards 2024

Awarding Region 8 Technical Society Chapters & Student Branch Chapter

Large Chapter (>60 members as of 31 December of the past year)

Medium Chapter (25-60 members as of 31 December of the past year)

Small Chapter (<25 members as of 31 December of the past year)

Evaluation criteria:

- Evaluation of Chapter Committee elections
- Chapter/Committee activities
- Chapter Membership Development
- Technical activities
- Professional and Educational activities
- Member-Get-a-Member Campaign, Senior/Fellow nominations (for Technical Society Chapters)
- Distinguished Lecturers & other Speakers
- Planning and realization of Chapter f2f Meetings
- Planning and realization of Chapter virtual Meetings
- Reporting global & local
- Familiarity with & attending of R8 Chapter Coordination events
- Chapter dissemination (Website, newsletters, other) & Local publicity of the Chapter

The $200 prize must be used to support Chapter activities

No Chapters may receive two Region 8 Chapter of the Year Awards within three years

The nominated Chapter must have satisfied all of the IEEE reporting requirements on time

Nominations must be submitted using the Region 8 Awards portal

IEEE Region 8 Chapters of the Year Awards

IEEE Region 8 has over 1000 technical Chapters and Student Branch Chapters running exciting technical events and connecting the members to the resources of Societies, Sections and the Region. Every year, all these Chapters have the opportunity to apply for the IEEE Region 8 "Chapter of the Year Award".

Winning Technical Chapters in 2024 awards (for 2023 efforts):

- Large Chapter - IEEE CSS Italy Chapter (CH08280 - Italy Section Chapter, CS23) Chapter
- Medium Chapter - Vehicular Technology Chapter
- Small Chapter - IEEE SMC Tunisia Chapter

Winning Student Branch Chapters (SBC) in 2024 awards (for 2023 efforts):

- Large Student Branch Chapter - IEEE ESPRIT CIS SBC
- Medium Student Branch Chapter - IEEE University of Jordan Computer society chapter
- Small Student Branch Chapter - IEEE Circuits And Systems Society ENETCOM

Professional and Educational Activities

Fall 2024

Andrejs Romanovs

PEAC Team 2024

We are here to serve as a supporters and a first contact for Region 8 Educational and Professional Activities Officers, IEEE volunteers and members, and the public.

pea.officer@ieeer8.org

ieeer8.org/technical-activities

@IEEER8ProfessionalandEducationalActivities

Andrejs Romanovs (Latvia) Chair

Conrad Attard (Malta) Past Chair

Ana Margarida Trigo (Portugal)

Filippo Sanfilippo (Norway)

Dalius Navakauskas (Lithuania)

Mistura Muibi-Tijani (Nigeria)

Natalia Piaseczna (Poland)

Hadi Kanaan (Lebanon)

Highlights – Region 8 PEAC Programs 2024

Flash: IEEE Region 8 Professional and Educational Activities and Resources

IEEE Region 8 Local Language program

The Local Language program is intended to promote in Region 8 IEEE activities and content in different languages, aside from English. This activity is funded by Region 8 and local ambassadors are requested to arrange several events in their selected local languages.

53 applicants has been received and 15 of them has been approved!

by October 2024

4 events has been successfully finished and reported!

IEEE Region 8 Acceleration Program contest

The IEEE acceleration contest is a program aiming to promote educational activities among IEEE volunteers and IEEE entities in Region 8, the program allows local initiatives to get higher visibility and to be supported by the IEEE Region 8 PEAC.

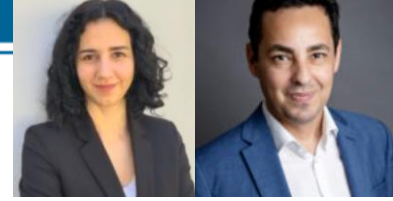18 applicants has been received and 6 of them has been approved.

Currently (up to Oct 2024) 2 projects (initiated by **the Egypt and Italy Sections**), covering a full range of Pre-University, University, and Continuing Education activities, are completed.

Carried activities involved **130 teams** in the primary competition, **17 teams** in the final competition, and **13 individuals** in the training courses that granted 6 ECTS credits.

Till the end of 2024, the remaining 4 projects will be finalized, 2 of them will finish this month.

ACCELERATION PROGRAM
IEEE REGION 8

STEM @IEEE Region 8 Robot Championship

The international IEEE Region 8 **Robot Championship** is aimed to promote science, technology, engineering, and mathematics (STEM) among IEEE members, and it focuses on STEM communication, entrepreneurship, creativity, problem solving, and teamwork.

More than 30 STEM organised all over the region have been submitted.

15 teams will get 100 dollars reimbursement

More than half of the activities are complete and will be done before 15th November with an outreach of over 1000 attending these events.

The best 3 STEM activities will get refund

of 400, 300 and 200 dollars respectively

IEEE Region 8 Robot Championship

The international IEEE Region 8 **Robot Championship** is aimed to promote science, technology, engineering, and mathematics (STEM) among IEEE members, and it focuses on STEM communication, entrepreneurship, creativity, problem solving, and teamwork.

Statistics - 38 teams applied and 15+teams where chosen from 11 different countries

5 webinars and a number of information session where organised with over 80 participants on zoom or on social media attending these sessions on:

How to **prepare a STEM Activity.** Budgeting, **Branding your team**, Art of Project Management, **Rules and Regulations** for IEEE ROBOT CHAMPIONSHIPS MALTA 2024

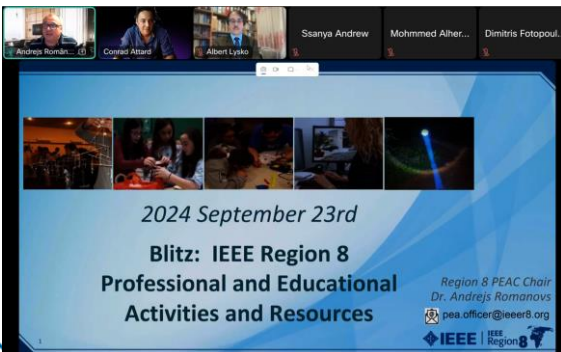There will be 14 awards categories for this championship.

IEEE Robot championship 2024 will be held in Malta on the 23 and 24th November

Highlights – Region 8 PEAC Programs 2024

IEEE Region 8 PEAC collaborating with Educational Infrastructures (EIC) Committee have developed new format of virtual sharing information, **Flash: IEEE Region 8 Professional and Educational Activities and Resources**. The idea is to explain one Professional and Educational Activities program in a very short and concentrated way, having 25 minutes per each session – in 8 minutes speakers discuss different Professional and Educational programs and resources, application procedures, funding, value to the members and other important elements followed by big Q&A part of 17 minutes.

2024 September 23rd

Blitz: IEEE Region 8 Professional and Educational Activities and Resources

Region 8 PEAC Chair Dr. Andrejs Romanovs
pea.officer@ieee8.org

First issue was successfully held on September 23rd, with 48 attendees from Region 8, discussing PEA resources (delivered by Albert Lysko) and R8 Robot Championship (delivered by Conrad Attard). Second will be held on October 25th, discussing Region 8 Local Language Program with Ana Margarida Trigo, third in November discussing Region 8 Acceleration Program with Dalius Navakauskas

Flash: IEEE Region 8 Professional and Educational Activities and Resources

PEAC Highlights – EAB Programs

IEEE Learning Network

The IEEE Learning Network (ILN) offers a single online portal for continuing education products from organizational units across IEEE. Educati[on] available on this po[rtal] like 5G, Autonomou[s] Ethics in Design, Ca[reer] and more

IEEE eLearning LIBRARY

IEEE eLearning Library is an online digital library of multi-course programs and individual tutorials.

IEEE CREDENTIALING

Earn Continuing Education Units (CEUs) and Professional Development Hours (PDHs) through the IEEE Credentialing

IEEE Innovation at work

IEEE Innovation at Work is a high-impact digital media channel, which offers webinars, course

EPICS IN IEEE
Engineering Projects In Community Service

EPICS in IEEE empowers students to work with local service organizations to apply technical knowledge to implement solutions for a community's

IEEE-Eta Kappa Nu

IEEE-Eta Kappa Nu (also known as IEEE-HKN) is the honor society of IEEE. It promotes excellence in the profession and in education with ideals of scholarship, character, and attitude. IEEE-HKN primarily serves university

IEEE Teaching Excellence HUB

The Teaching Excellence Hub is a resource for university- level educators who are teaching engineering, computer science, and technology courses online or in-person. The website offers tools they can use to improve

ABET

ABET is a nonprofit, non-governmental organization that accredits college and university programs in applied and natural science, computing, engineering, and engineering technology. IEEE [...] [mem]ber society with [...] [with]in ABET, IEEE [...] [...]es oversees [...]f more than [...]omputing, and [...]s in IEEE's

TRY Engineering
Powered by IEEE

IEEE TryEngineering provides online information on engineering careers with interactive activities intended for parents, teachers, school counselors, and pre-university students. These resources

TRY Engineering Summer Institute
Powered by IEEE

IEEE TryEngineering Summer Institute was created to introduce rising 8th-12th grade students to the exciting fields of engineering and technology. The immersive two-week overnight program

TryEngineering TOGETHER

TryEngineering Together is a unique eMentoring program developed by IEEE with Cricket Media. The program pairs a company sponsored volunteer with a student in a 3rd-5th grade classroom.

TRY Engineering   STEM Portal
Powered by IEEE

The STEM Portal is for IEEE Volunteers and serves as a resource for all things related to Pre-University STEM programs and activities. Share your STEM best practices and programs with

PEAC Highlights – EAB Programs

It's Cybersecurity Awareness Month

Save 20% on select cybersecurity-related course programs with code **CM24** in honor of this month's international initiative.

24% Off Special Offer for IEEE Day

Use code **IEEE2024** on select eLearning course programs before 31 October.

Save Your Seat for 2025

It's never too early to start planning your future! Mention code **IEEEDay2024** to get US$100 off the IEEE | Rutgers Mini-MBA for Engineers if you enroll by the end of the month.

IEEE STEM Summit

23-25 October 2024
FREE VIRTUAL EVENT

Explore new ways to spark school-aged children's interest in STEM!

REGISTER

Don't Forget to Register! 23-25 October

This year's STEM Summit speakers will include the 2024 IEEE President & CEO, a retired NASA astronaut, and other notable presenters.

Seeking Program Evaluator Applications by 1 November

See requirements for IEEE Members and IEEE Senior Members to serve as Program Evaluators for EAC or ETAC of ABET, Inc.

ABET

PEAC Team 2023-2024

Created by DALL·E, Oct 7th 2024

Andrejs Romanovs
(Latvia) Chair

Conrad Attard
(Malta) Past Chair

Ana Margarida Trigo
(Portugal)

Filippo Sanfilippo
(Norway)

Dalius Navakauskas
(Lithuania)

Mistura Muibi-Tijani
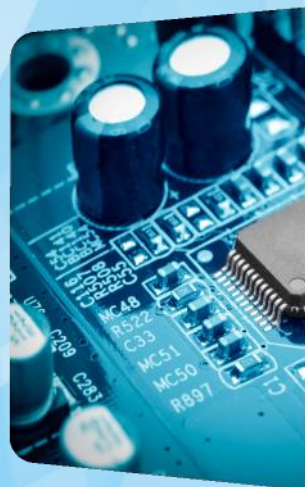(Nigeria)

Natalia Piaseczna
(Poland)
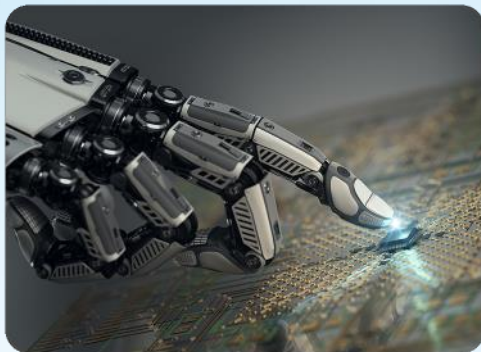
Hadi Kanaan
(Lebanon)

Courtesy of DOE/NREL, Credit - Warren Gretz

While the world benefits from what's new, IEEE is focused on what's next >>

Thank you!
Questions ?

IEEE Region 8 Action for Industry (AfI) Committee

Toni Matilla Committee Chair

Action for Industry

Industry members are traditional majority of IEEE and important contributors to all IEEE actions.

Action for Industry (AfI) Sub-Committee (est. in 2014) is focused on providing membership value to companies.

The Sub-Committee is composed of a Chair, Past Chair, full members and corresponding members.

The committee acts in close co-operation with local Sections throughout R8, through Industry Ambassadors that are appointed by Sections.

The essential programs currently include mentorship, internship, industry events & initiatives and entrepreneurship but many more are under development.

Action for Industry Committee 2024

Toni Mattila
Chair
(Finland)

John Matogo
Past Chair
(Kenya)

Nihel Ben Youssef
Member
(Tunisia)

Stamatis Dragoumanos
Member
(Greece)

Serge Dos Santos
Member
(France)

Maria Efthimiou
Member
(Cyprus)

Mohammad Galal Khafagy
Member
(Egypt)

Cosmin Moisa
Member
(Romania)

Sohaib Qamer
Member
(the UK)

45 Industry Ambassadors in 35 Sections

Our **Mission** is...
...to engage companies by creating mutually beneficial programs of credible and sustainable value to both IEEE & Industries

Focus areas
- Internships
- Mentorships
- Industry events
- Local activities (SIA)
- Communication

Contact: afi@ieeer8.org

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Goals for 2024

▸ Scale up industry engagement through active local involvement of companies with the help of Section Industry Ambassadors (SIA)

   – Number of programs reduced to three:

     1. Local industry engagement

      ▪ *Internships*

      ▪ *Mentorships*

      ▪ *Local events*

     2. Industry events (AfI committee) / Local activities (SIAs)

     3. Communication

▸ KPIs

   1. Industry engagement MoUs signed (1 per SIA)

   2. Internships & mentorships secured (2 per SIA)

   3. SIAs appointed (*30+*)

   4. Meetings with industry ambassadors (*all SIAs attend 4 of 6 meetings*)

Progress Made Against each Goal and Highlights

Activity Highlights

▸ Local industry engagement - SIA workshops

1. April 3 – 4, 2024 - SIA workshop (online)
   - Agenda: Value from IEEE membership to industry
   - Participants: *Austria, Benelux, Croatia, Denmark, Egypt, Germany, Ghana, Hungary, Iran, Israel, Italy, Jordan, Lebanon, Norway, Oman, Serbia and Montenegro, Spain, Sweden, Tunisia, Türkiye, the UK, Zambia*

2. June 13 – 14, 2024 - SIA workshop (online)
   - Agenda: roundtable of results and preparation for the SIA meeting in Grenoble
   - Participants: *Benelux, Ghana, Hungary, Spain, Jordan, Egypt, Tunisia, Uganda, Lebanon, Nigeria, Serbia and Montenegro, Mauritius, South Africa, Austria, Jordan, Türkiye, Oman, Sweden, Romania*

3. July 17 – 18, 2024: In-person SIA Workshop in Grenoble (in conjunction with R8 SYP)

IEEE R8 Action for Industry 2024 SIA Workshop

July 17 – 18, 2024 in Grenoble, France

▸ Internal AfI workshop with SIAs + student engagement workshop

▸ Goals
  – Educate and motivate SIAs
  – Explore best practices and concerns
  – Develop new innovative ways to engage Industry members
  – Promote AFI to Students and YPs

▸ Participation: 16 sections registered but 11 attended

  – Participating Sections: Austria, Benelux, Egypt, France, Hungary, Lebanon, Romania, Spain, Sweden, and Tunisia

IEEE R8 Action for Industry 2024 SIA Workshop

July 17 – 18, 2024 in Grenoble, France

- Day 1 Program – July 17, 2024
    - 3:30 pm   Opening session (Marios Antoniou)
    - 4:00 pm   Keynote: Jacopo Cele (CEA Leti)
    - 5:00 pm   Industry Engagement Committee Presentation (Costas Stasopoulos)
    - 6:00 pm   SIA Activity Reports
    - 8:00 pm   Closing of the day

- Day 2 Program – July 18, 2024
    - 1:30 pm   Student engagement workshop at R8 SYP Congress*
        - *AFI Orientation (Stamatis Dragoumanos, AFI member)*
        - *Educational Activities Tools (Stamatis Dragoumanos, IEEE PreUniversity Education Coord.)*
        - *Industry Engagement Committee (Stoyan Nihtianov , IEC)*
        - *IEEE EPS (Cosmin Moisa)*
        - *Ericsson (Anas Dakkak)*
        - *TU Delft, ASML (Stoyan Nihtianov)*
        - *CEA-Leti (Jacopo Cele, CEA-Leti R&D Engineer)*
    - 3:30 pm   SIA Activity Reports (program from day 1 continued)
    - 6:30 pm   Closing Remarks
    - 8:00 pm   SYP Gala Dinner

Progress Made Against each Goal and Highlights

Activity Highlights

▸ Industry events:

1. June 25-27, 2024 – Industry Workshop at **IEEE MELECON**, Porto, Portugal

2. Sep 11 – 13, 2024 – Special Session at **IEEE ESTC**, Berlin, Germany

3. Sep 18 – 20, 2024 – Industry Workshop **IEEE RTSI**, Milan, Italy

4. Nov 27 – 30, 2024 – Industry workshop **IEEE IHTC**, Bari, Italy

Industry Workshop at IEEE MELECON, Porto, Portugal

June 25, 2024

- **Title:** From Lab Bench to Launch Pad

- **Goal:** To inspire and motivate young engineers to entrepreneurship

- **Description:** Panel discussion to explore ways to unleash research's potential and turn it into real-world products and startups. The session brought together a diverse group of panelists with experience in academic research, technology transfer, and entrepreneurship.

- **Format:** Brief introductions + panel conversation

- **Panelists:**
  - Joana Pinto (Instituto de Telecomunicações – lx)
  - João Paulo Cunha (University of Porto)
  - Fernando Moreira (INESC Brussels Hub)
  - Pedro Roseiro (TICE.PT)
  - Moderator: Sohaib Sheikh (AfI)

- **Duration:** 2 hours

- **Attendees:** 28

- **Organizers:**
  - **Sohaib Sheikh (AfI)**
  - Toni Mattila (AfI)
  - Hugo Silva (Portugal Section)
  - João Carlos Ferreira (Portugal Section)

Joana   João

Fernando   Pedro

Special Session at IEEE ESTC, Berlin, Germany

Sep 12, 2024

- **Title:** Quantum Chips and Their Packaging

- **Goal:** Introduction to quantum computing, challenges and advancements

- **Description:** Quantum computing is expected to revolutionize the traditional way of numerical problem solving. The promise of quantum computing lies not only in its potential for computational speed and power, but also in its ability to tackle problems at levels of complexity that are currently not possible with classical methods.

- **Format:** Presentation with a panel conversation

- **Panelists:**
  - Juha Hassel, VP Engineering, IQM Quantum Computers
  - Mika Prunnila, Co-founder and CTO of SemiQon
  - Jean Charbonnier, R&D Project Leader, CEA Leti
  - Jarno Järvinen, Scientist, Bluefors
  - Moderator: Toni Mattila (AfI)

- **Duration:** 1,5 h

- **Attendees:** 35

- **Organizer:**
  - Toni Mattila (AfI)

Juha Mika Jean Jarno

Industry Workshop at IEEE RTSI, Lecco, Italy

Sep 18, 2024

▸ **Title:** Industry Workshop on AI in Manufacturing

▸ **Format:** Presentation with a panel conversation

▸ **Program:**

Tom Coughlin (IEEE)
"Making and Maintaining our Connections in Industry"

Vincenzo Piuri (UNIMI)
"Artificial Intelligence and Machine Learning for Smart and Sustainable Manufacturing"

Paolo Gritti (ABB)
"Application of AI to Low Voltage power distribution devices and digital solutions"

Viviana D'Alto (STMicroelectronics)
"Distributed Artificial Intelligence for Industrial Applications"

Serge Dos Santos (INSA Centre Val de Loire)
"NDE4.0: an optimized merging of Industry 4.0, Nondestructive Testing and Artificial Intelligence"
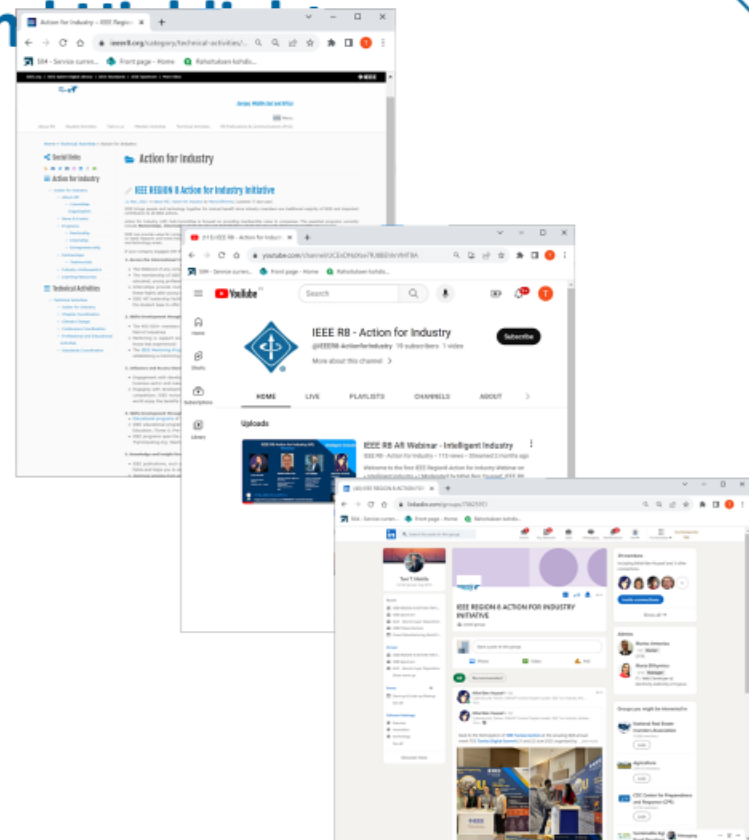
▸ **Panelists:**

Paolo Viviana Serge

ABB ST INSA INSTITUT NATIONAL DES SCIENCES APPLIQUÉES CENTRE VAL DE LOIRE

▸ **Moderator:** Toni Mattila (AfI)

Progress Made Against each Goal and Highlights

Activity Highlights

- ▸ Communications (website & social media)
  - – Action for Industry **website**
    - • Presentation of all programs
    - • Creation of Action for Industry Value Proposal
  - – Social Media
    - • **YouTube** channel:
    - • **LinkedIn** group

Thank you For Your Attention!

Contact: Toni.T.Mattila@ieee.org

Questions?

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