

IEEE Region 8

A stylized map of Region 8, which includes Europe, Africa, and parts of Asia and Australia, rendered in a dark blue color.

Technical Activities

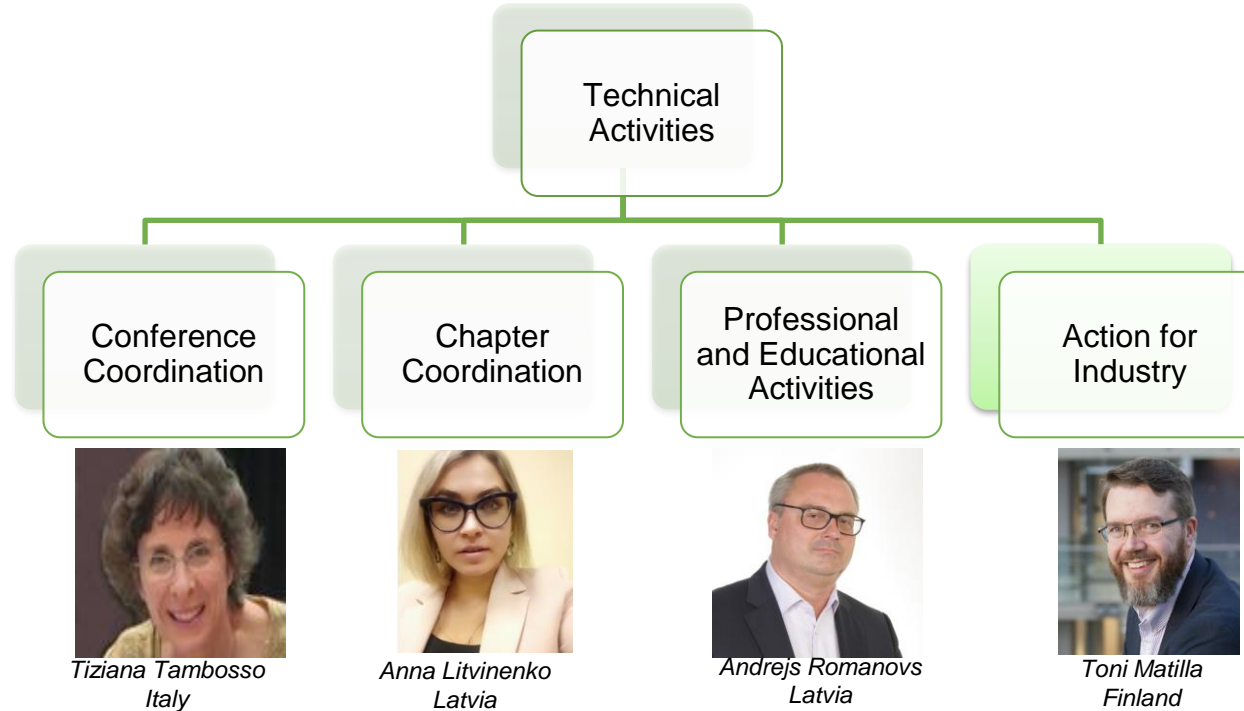
Marios Antoniou

Region 8 Committee Meeting Spring 2024

Vienna 2 March 2024

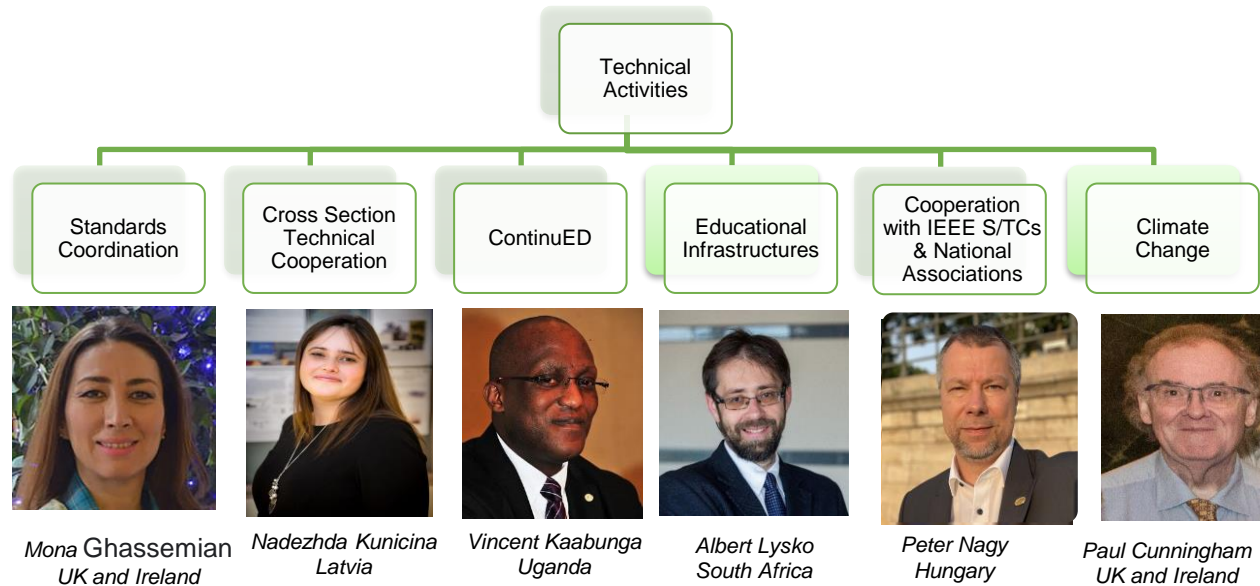
Technical Activities

Committees



Technical Activities

Ad Hoc Committees



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



- ▶ Online trainings for flagship and portfolio conference organizers, December 2023.
- ▶ Online Chapter Panorama, December 2023. Region 8 and Region 10.
- ▶ Section Industry Ambassador Workshop, December 2023.
- ▶ 2026 Region 8 Flagship and portfolio conference site selection is completed.
- ▶ Climate Change Workshop for Section Chairs and Conference organization training for Conference Coordinators and Section Chairs, during 122th Region 8 meeting at Vienna, March 2024.
- ▶ Organization of Energycon 2024, Doha, Qatar, 4-7 March 2024. An R8 Flagship conference.
- ▶ Chapter Chairs training during Region 8 Volunteer Leadership Training Workshop scheduled on April 5th - 6th at Skopje, North Macedonia. Collaboration between Technical and Membership Activities

Technical Activities progress



- ▶ Steering Committees for R8 flagship conferences. Collection of best practices from R8 flagship conferences.
- ▶ Organization and participation in Multi Regional conferences. Histelcon, IHTC.
- ▶ Chapter Chairs training and sharing of best of best practices.
- ▶ Organization of pre university, university and continuous education activities.
- ▶ Section Industry Ambassadors training and sharing of best practices.

Technical Activities plans



- ▶ Communication of TA committees with Sections for appointment of Section officers for TA activities and trainings.
- ▶ Incorporation of industry and Climate Change workshops and panels in Region 8 Flagship conferences.
- ▶ Collaboration between Technical Activities, Membership Activities and Student Activities for joint events and workshops.
- ▶ Events and workshops for students, YPs and WIE would be organized during Region 8 flagship conferences and R8 SYPs.
- ▶ Multi discipline Technical Activities committee collaboration. Collaboration between Standards, Afl, Educational Activities and Conferences Coordination Committees.

Conference Coordination Committee

Spring 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

Main Goals and KPI 2024

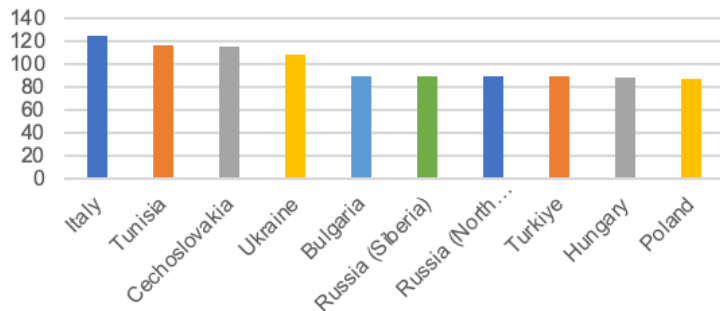
Goals	KPI
Timely review of the financial and technical co-sponsorship (TCS/FCS) requests	Number of evaluated TCS/FCS requests in 2024
Ensure success of the R8 flagship conferences	Call for bids, evaluation process, support and oversight through the steering committee and liaison member, financial surplus, papers published in IEEEExplore
Ensure success of IEEE conferences TCS/FCS by the R8.	Percentage of successful conferences (timely reporting, financial surplus, papers published in IEEE Xplore)
Increase the R8 visibility through conferences	Number of R8 Conferences with: IEEE/R8 booth, R8 speech at the opening/closing, WIE/YP/SA/HA/MD/Standard special events/workshop/competitions
Support the sections' conference coordinators	Number of appointed section / subsection conference coordinator (59 sections + 10 subsections) 2. Number of webinars and training events
Ensure good relationship with MGA, MCE, and other regional conference coordinators	Percentage of participation in the MGA and MCE meetings and workshops. Participation in Convene 2024
Industry focused events and conferences	Number of industry panels/events and conferences with industry focus
New initiatives	Multi-region conference agreements. No of conference upgrades (from TPC to FCS) from FCS to R8 port-folio. Special events/workshops on climate change

Statistics

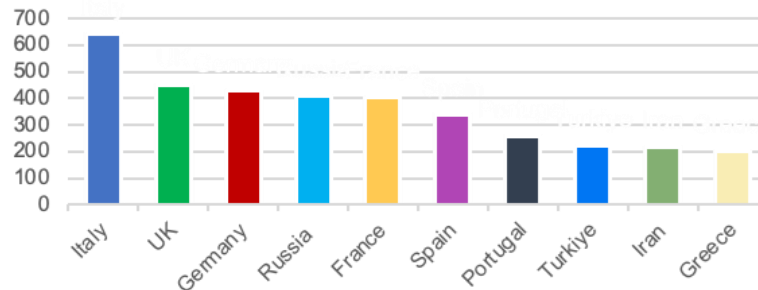
In the last 10 years

- **7,500** Conferences were organized in R8
- **21%** were TCS by R8 Sections
- **12%** were FCS by R8 Sections
- **R8 TCS 113** and **FCS 113** conferences

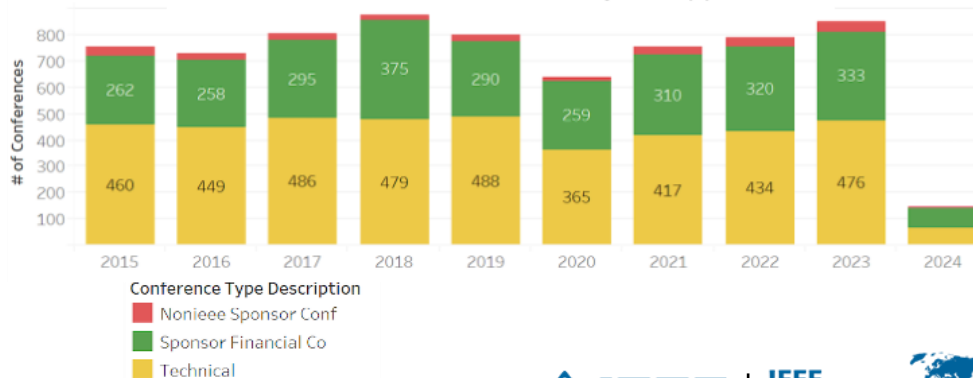
TOP 10 SECTIONS TCS/FCS CONFERENCES IN
LAST 10 YEARS



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



Number of TCS/FCS conferences within Region 8, by year



2024 Flagship and Portfolio Conferences

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

<https://ieee-energycon2024.com/>



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

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



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

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



- November 25-27, 2024: **6th IHTC**, Bari, Italy

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



2024 R8 TCS/FCS Conferences

Financially Co-sponsored Conferences

- May 8-11, 2024, **14th IEEE Global Engineering Education Conference (EDUCON)**, Kos, Greece (10% R8, 70% Education Society)
- June 26-29, 2024, **29th IEEE Symposium on Computers and Communications (ISCC)**, Paris, France
(20% R8, 40% ComSoc, 40% Computer Society)

Technically Co-sponsored Conferences

- May 20-22, 2024, **15th International Conference ELEKTRO**, Zakopane, Poland
- May 20-24, 2024, **47th MIPRO ICT and Electronics Convention (MIPRO)**, Opatija, Croatia
- June 3-6, 2024, **11th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN)**, Nis, Serbia
- July 9-11, 2024, **IEEE International Conference on Microwaves, Communications, Antennas, Biomedical Engineering and Electronic Systems (COMCAS)**, Tel Aviv, Israel
- July 29-31, 2024, **IEEE International Conference on Omni-layer Intelligent Systems (COINS)**, London, UK
- August 29-31, 2024, **12th IEEE International Conference on Intelligent Systems (IS)**, Varna, Bulgaria
- October 16-18, 2024, **International Conference on Smart Systems and Technologies (SST)**, Osijek, Croatia

For benefits and requirements of R8 TCS/FCS see:
<https://ieeer8.org/conference-coordination/pages/sponsorship/>

IEEE EDUCON 2022 received the iCON award 2023



Habib M. Kammoun (IEEE Tunisia Section Chair, IEEE EDUCON 2022 co-chair and R8 Conference Committee Past-Chair), Magdalena Salazar Palma (IEEE Region 8 Past Director and Representative of R8 in IEEE EDUCON Steering Committee) and Edmundo Tovar (IEEE Ed. Society jr. Past-President and chair of IEEE EDUCON Steering Committee) accepted the iCON recognition presented by past ICC Chair Bin Zhao.

IEEE Global Engineering Education Conference 2022 (EDUCON) held in Tunis, Tunisia 28-31 March 2022, received the prestigious IEEE iCON recognition at 2023 IEEE Convene in Panama (August 2023).

The iCON Recognition celebrates an event demonstrating excellence in innovation, content curation, community-building, financial stability and growth.

The success of EDUCON 2022 (10% R8, 70% Education Society, 10% Tunisia Section, 10% Education Tunisia chapter) confirms the ***great impact of collaboration between region, society, section, and chapter.***

Hybrid format, 400 participants from 60 countries, 20% of them onsite, 319 papers published in IEEE Xplore (961 authors from 56 countries).

Highlights

Two phase bid procedure and virtual meeting for the bidders after the first phase for R8 flagship/portfolio conferences.

- *One virtual meeting on December 18th, 2023 - 7 bidders of 2026 flagship/portfolio conferences*

Steering Committee for the flagship/portfolio conferences with collection of best practices and lessons learned to be passed on to future organizers.

- *Documents and slides are available for EUROCON 2023, AFRICON 2023, HISTELCON 2023*

Cooperation with the R8 Committees for the **organization of special events/workshops/competitions** during flagship/portfolio Conferences

- **AFRICON 2023**, Nairobi (Kenya), Sept. 20-22, 2023. 340 attendees, 182 paper in IEEExplore
4 Industry Panels, 2 Industry Tutorials, 1 Industry workshop, 1 Post-Graduate Forum, 1 WIE Technology Forum, 1 Pre-Conference Career Fair, 6 Pre-Conference Virtual-Webinars

Highlights

IEEE Research and Technology for Society and Industry **RTSI 2024** (<https://2024.ieee-rtsi.org/call-for-papers>) R8 portfolio conference with a strong industry focus

- ***Keynotes, tutorials, workshops, panels with industry are being organized.***
- ***Industry Ambassadors actively participate in the organization***
- ***IEEE President will attend the conference***

Multi-Region Conferences (IHTC, HISTELCON)

- HISTELCON 2023, Firenze (Italy) 7-9 Sept. 2023 97 attendees (20% online)
WIE workshop and **IEEE History Committee meeting**
- IHTC 2023, Columbia (R9) 1-3 Nov. 2023

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

- third virtual workshop of 2023 - Dec.5, 2023 >100 registrants.
- first workshop of 2024 - March 1, 2024 (hybrid).
- Other two workshops (hybrid or virtual) will be organized in 2024

Highlights

- **R8 Section Conference Coordinators** (in R8: 59 Sections, 12 Subsections)
 - 28 Sections/Subsections nominated a SCC
 - ***The role of the SCC has been defined in the new R8 CoCC Operations Manual***
 - CoCC organized R8 Conference Workshops for Section Chairs and SCCs
 - A new campaign to appoint new SCCs has been started
- **Participation in Convene** (the annual gathering for the IEEE conferences community)
 - 3 CoCC member at Convene 2023.
 - Participation in Convene 2024 has been planned
- Two conferences have been **upgraded to R8 FCS**
 - 2024 IEEE Symposium on Computers and Communications (ISCC) (R8 20%)
 - 2024 32nd Telecommunications Forum (TELFOR) (R8 5%)
- A special **workshop on “climate change”** at ***IHTC 2024 (Bari, 25-27 November 2024)***
 - IHTC focus is on UN SDGs - the perfect R8 portfolio conference to host this kind of event

2026 Flagship and Portfolio Conferences motions

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



- August 19-21, 2026, **9th RTSI**, Espoo, Finland



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





Thank you!
Questions ?

Chapters Coordination Committee

Spring 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



chapters.officer@ieee8.org



ieee8.org/technical-activities

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.

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)
- 2 announcement of Year Best awards (direct mails to section and chapter chairs, e-notice, facebook news)
- 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 I

1. Monitoring current state of R8 Chapters:

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

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

- Chapter Panorama event in December 2023
- Scheduled Chapter Leadership Training in collaboration with the MD committee in 5-6 April in Skopje, North Macedonia

3. Organization of the R8 ChCC awards ceremony:

- The financial prizes have been transferred to 2023 year awardees section or chapters
- Collected notes, comments, suggestions for awarding procedure improvement for 2024
- Prepared proposal for awarding procedure improvement for 2024

Progress made against each goal and Highlights II

4. R8 Chapter Chairs training:

- Performed R8 Chapter Panorama in December 2023, a developed program was based on the chapter chairs survey results
- Scheduled Chapter Chair Training & MD Coordination Training in 5-6 April in Skopje, North Macedonia in collaboration with the MD committee: <https://r8.ieee.org/northmacedonia/2024-vlt/>
- Closed the registration on the annual Chapter Leadership Training in collaboration with the MD committee. More than 60 applications were registered.

5. Others:

- The committee has organized **experience exchange between R8 and R10 on chapter coordination**:
 - participation in IEEE R10 Section Chapters Symposium 2023 on December 1-3 with Anna Litvinenko Chair of R8 Chapter coordination Committee invited talks;
 - participation of R10 representer - Amit Kumar - Chair of IEEE R10 Section and Chapter Coordination Committee in Chapter panorama on December 15;
 - invitation of R10 representatives to VLT, in Skopje in April of 2024

Highlights - Statistics III



Overall status:

- 49920 members of Societies
- 647 Active Chapters
- 643 Active Student Branch Chapters

Trend in comparison with the last report :

- + 6861 members of Societies
- + 1 Technical Chapters
- + 32 Student Branch Chapters

Plans for the rest of the year

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

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-Q3 of 2024 year
- Best practices collection from R8 Best Chapters nominated and awarded chapters in Q3-Q3 of 2024 year

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

- Revision of awarding procedure (1 awarding procedure)
- 2 announcement of Year Best awards (direct mails to section and chapter chairs, e-notice, facebook news)
- R8 ChCC awards evaluation

4. R8 Chapter Chairs training. KPI:

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

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 2023

Day 1 :

- Chapter Coordination Committee - Financial support of the chapters
- Invited talk - IEEE Computer Society - Eric Berkowitz (Director of ME)
- Best practices of Student Branch Chapters:
 - IEEE North Macedonia, University of Skopje
 - Computer Society Student Branch Chapter, Jordan Section
- Discussion on the Best Practices for Student Branch Chapters

Day 2:

- Chapter Coordination Committee - Nomination on the Best Chapter Awards
- Invited talk - IEEE Power and Energy Society - Jessica Bian (PES President)
- Best practices of Technical Chapters :
 - IEEE IAS Tunisia Section Chapter
 - IEEE EdSoc Tunisia Chapter
- Discussion on the Best Practices for Technical Chapters



Day 3:

- Chapter Coordination Committee - SWOT analysis of the chapter activity
- Invited talk - IEEE Region 10 Section Chapter Committee - Amit Kumar (Chair)
- Best practices of Chapters:
 - IEEE ED Spain Section
- Invited talk - Cross-section Technical Cooperation AdHoc - Muhammad Al-Brham (member)
- Discussion on the Best Practices Sharing among R8 and R10

27 *To continue this great tradition, the next issue of Chapter Panorama will be scheduled for Q4 2024*



IEEE



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 April 5-6 2024 in North Macedonia, Skopje <https://r8.ieee.org/northmacedonia/2024-vlt/>

Day 1:

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

Discussion & Opinion exchange on IEEE values

Day 2:

Engaging members at events & conferences

Financial reporting, event's financial organization and reimbursements

Best Practices of Region 10

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

Professional and Educational Activities

Spring 2024

Andrejs Romanovs



PEA
IEEE Region 8
Professional and
Educational Activities

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@ieee8.org



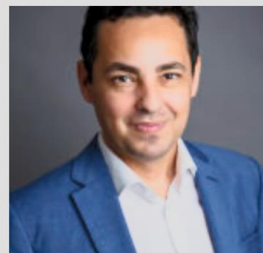
ieee8.org/technical-activities



@IEEEER8ProfessionalandEducationalActivities



Andrejs Romanovs
(Latvia) Chair



Conrad Attard
(Malta) Past Chair



Ana Margarida Trigo
(Portugal)



Filippo Sanfilippo
(Norway)



Dalius Navakasas
(Lithuania)



Mistura Muibi-Tijani
(Nigeria)



Natalia Piaseczna
(Poland)



Hadi Kanaan
(Lebanon)



IEEE

IEEE
Region 8





PEAC Highlights – Goals 2024

1. Encourage and advise the **appointment of local PEA officers** and Educational Activities Committees, and the establishment of PEA activities in all Region 8 Sections.
2. Serve as **contact point** for Region 8 Educational Activities and Professional Activities officers and members in Sections.
3. **Promote** educational activities and **inform** IEEE volunteers and individual members about PA products and services, and their importance and value. Support and motivate to create PE events locally and cross-sectionally.
4. **Promote** and **support** IEEE global and Region 8 local programs, such as EAB Awards, IEEE Education Week, IEEE Region 8 Robot Championship, Region 8 Acceleration Program, Local Language Program, etc.



PEAC Highlights – Goals 2024

5. **Support** IEEE Educational Activities *Programs* by promoting, and whenever possible funding them:



Pre-University Activities

TryEngineering.org; Volunteer STEM Portal; Summer Institutes; TryEngineeringTogether



University Activities

Accreditation Coordination; EPICS in IEEE; IEEE-Eta Kappa Nu; Teaching Excellence Hub



Continuing Education

eLearning & CE Products; Credentialing; IEEE Learning Network (ILN)

6. Recruit expert, train and educate **local presenters** for PA topics in Region 8.

7. Establish **working cooperation** with Region 8 Committees (Action for Industry, Continu>Ed), collaborate with Educational Activities Board (EAB) on products and services to enhance members services and employment prospects.



PEAC Highlights – R8 PEAC Programs

IEEE Region 8 Local Language program, 2024

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!





PEAC Highlights – R8 PEAC Programs

IEEE Region 8 Acceleration Program contest, 2024

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 prestigious IEEE Region 8 Technical & Educational activities board.

18 applicants has been received and 6 of them has been approved - 2 per PEAC pre-University, 2 - University and 2 - Continuing Education program.





PEAC Highlights – R8 PEAC Programs



IEEE Region 8 Robot Championship & STEM 2024, Malta, November

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.

Some numbers:

- 10 teams from region 8
- 20 STEM activities reaching more than 400 kids all over region 8.
- 13 awards recognizing different skills from entrepreneurship to STEM
- Promoting awareness of the effect of climate change through the games
- Over 100 volunteers will come together to make this championship & events.
- 1000s of viewers will follow us on our streaming channels during the championship while promoting different opportunities that IEEE offers.

After being accepted into the Robot Championship 2024, each team of roboters will need to apply for at least two **STEM activities**. You need to do the activities before the Robot Championship and submit the report of the event before the September 1st 2024.

Call is open till March 22nd !



PEAC Highlights – R8 PEAC Programs

IEEE Region 8 Professional and Educational Activities Chairs Tribune



First R8PEA Tribune was organized in 2024, February 27th.

It is a virtual open meeting, for Region 8 Sections Professional and Educational Activities Chairs, discussing current challenges, opportunities, vertical and horizontal support of PE activities in Region 8.

Lessons learned:

- poor informative level VS too much IEEE emails => “SPAM”
- not enough focused messages VS PEA Chairs contacting members
- Chapters (Societies) Educational activities VS MGA/R8 programs
- PEA Chairs to have a better understanding of position within a Section

Success driver: Strong PEAC in Sections, strong info links, strong horizontal & vertical contacts with IEEE OUs !



PEAC Highlights – EAB Programs



The [IEEE Learning Network \(ILN\)](#) offers a single online portal for continuing education products from organizational units across IEEE. Educational content is available on this portal, including topics like 5G, Autonomous Systems, and Ethics in Design, Career Development, and more.



[IEEE eLearning Library](#) is an online digital library of multi-course programs and individual tutorials.



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



[IEEE Innovation at Work](#) is a high-impact digital media channel, which offers webinars, course



[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](#) (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



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](#) is a nonprofit, non-governmental organization that accredits college and university programs in applied and natural science, computing, engineering, and engineering technology. IEEE



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



[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](#) 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.



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

member society with IEEE Region 8. Within ABET, IEEE oversees more than 100 programs in computing, and many in IEEE's





PEAC Highlights – EAB Programs



IEEE Educational Activities Board (EAB) Awards recognize and honor major contributions to engineering and technical education.

The nomination deadline is Monday, 6 May 2024.

Awards are given for:

- Meritorious Achievement Award in Accreditation Activities
- Meritorious Achievement Award in Continuing Education
- Meritorious Achievement Award in Outreach and Informal Education
- Meritorious Achievement Award in Pre-University Education
- Major Education Innovation Award
- Meritorious Service Citation Award
- Employer Professional Development Award
- Section Professional Development Award
- Society/Council Professional Development Award

Scholarship/Fellowship:

- IEEE Life Members Graduate Study Fellowship in Electrical Engineering
- Charles LeGeyt Fortescue Scholarship

IEEE-HKN Awards and Recognitions:

- Outstanding Chapter Award
- Alton B. Zerby and Carl T. Koerner Outstanding Student Award
- Outstanding Young Professional Award
- C. Holmes MacDonald Outstanding Teaching Award
- Eminent Member Recognition
- Distinguished Service Award
- Asad M. Madni Outstanding Technical Achievement and Excellence Award



PEAC Highlights – EAB Programs

EPICS Engineering Projects In Community Service **IN IEEE** **15TH ANNIVERSARY**

**Spring 2024
CALL FOR
SERVICE LEARNING PROJECTS**

Proposal Deadline: May 1st

Students, faculty, and professionals will have the opportunity to address the technological needs of communities. Proposals should identify a problem in the local community, and detail how the student team will attempt to solve the problem using engineering and technology skills.

<https://epics.ieee.org/ias-call-for-proposals/>



PEAC Highlights – EAB Programs



Save the dates!

Celebrate Education From IEEE

IEEE Education Week on 14-20 April 2024 is a celebration of educational opportunities from IEEE.

IEEE offers pre-university STEM, university, and continuing professional education resources for engineers and technical professionals all over the globe! From local and regional activities, to webinars and online courses, to scholarships and events, and so much more, IEEE offers members and the global community a wealth of educational resources.

To learn more and get involved, visit **educationweek.ieee.org**



PEAC Highlights – EAB Programs

Credentials for Learning Achievement

Certificates

EA issues certificates for successful completion of learning events (courses, webinars, workshops, tutorials, etc.) sponsored by EA, IEEE Societies, Sections, Chapters, OUs and pre-approved external organizations.

Types of certificates include:

- Continuing Education Unit (CEU)
- Professional Development Hour (PDH)
- Certificate of Participation (CoP)



Certificates Stats:

- Over 101.8K certificates issued since 2019
- 136 OUs/providers offered our certificates

Digital Badging

Digital badges offered by EA are an effective way to highlight educational achievement.

- Badges contain embedded metadata that reflects specific skills earned
- Follows the Open Badge standard
- Can be shared on CVs, social media platforms, and email signatures
- Tied to individual bodies of knowledge that may be delivered via an eLearning course program and/or event.
- Verified by unique blockchain ID



EA has issued over 1,500 digital badges since 2020

<https://www.ieee.org/ceus>



IEEE



IEEE
Region 8





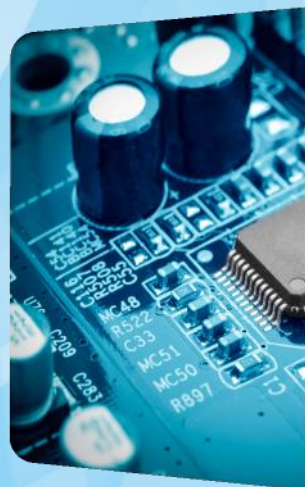
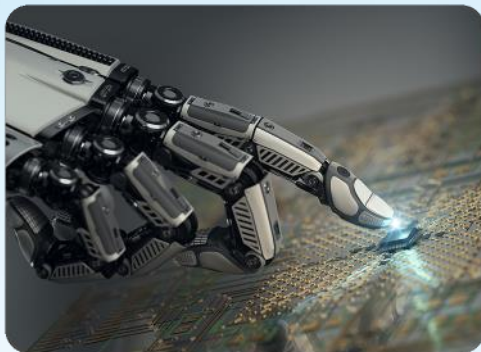
PEAC Highlights



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 (Afl) 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](#)
TBD
(Tunisia)



[Stamatis Dragoumanos](#)
TBD
(Greece)



[Serge Dos Santos](#)
TBD
(France)

our **Mission** is...

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

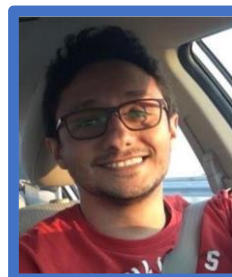
Focus areas

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

Contact: afi@ieee8.org



[Maria Efthimiou](#)
TBD
(Cyprus)



[Mohammad Galal Khafagy](#)
TBD
(Egypt)



[Cosmin Moisa](#)
TBD
(Romania)



[Sohaib Qamer](#)
TBD
(the UK)

x Industry
Ambassadors
in y Sections

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
 2. Industry events (Afl 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

► SIA workshops

1. MENA SIA Meeting in Cairo, Egypt (Aug 25 – 27, 2023)
 - Day 1: Plenary Session with North Africa Student and Young Professionals Congress
 - Day 2: Action for Industry Workshop (with local companies)
 - Represented Sections: **Algeria, Egypt, Jordan, Lebanon, Tunisia, Yemen**
 - Day 3: Industry visit: Siemens Digital Industries
2. SIA progress report meeting (H2/2023)
 - Online
3. Europe SIA Meeting in Krakow, Poland (Nov 30 – Dec 2, 2023)
 - Day 1: Industry Visit at ASTOR
 - Day 2: Plenary Session with European SYP Congress + industry Visit at CISCO, ABB
 - Day 3: Action for Industry Workshop
 - Represented Sections: **Cyprus, France, Hungary, Norway, Poland, Portugal**



Progress Made Against each Goal and Highlights

Activity Highlights

► Industry events:

1. Webinar in IEEE Standards, (Oct 27, 2023)
 - 1 h webinar on IEEE Standards
 - Introduction and how to get involved
 - Case study: optical wireless standard IEEE P802.15.13
 - Format: invited talks
 - 131+ views within the first week of publishing
2. IEEE AFRICON – Nairobi, Kenya (Sep 20 – 22, 2023)
 - Industry forum (3h session on Industry 4.0)
 - Keynotes
 - Industry panel (Gearbox Europlacer, IBM, CYTA)
3. 4th "Les assises de l'Industrie 4.0", Blois, France
 - Keynote: "Digital transformation and Private 5G" by Myriam Fatene, Head of digital industry business development at Nokia



IEEE R8 Action for Industry (Affl) Webinar

IEEE standards

Volker Jungnickel	Tuncer Baykas	Toni Mattila	Nihel ben Youssef
Professor in Physics and Communications Engineering Chair of IEEE P802.15.13, Technical editor of IEEE P802.11bb Germany	Senior technical staff at Orlino IEEE 802 Public Visibility standing committee chair IEEE R8 Standards Coordinator Turkey	Head of Sustainable Manufacturing at Business Finland IEEE R8 AFJ Committee Chair Finland	IEEE R8 AFJ committee member, Industry Events and Initiatives Lead Industry Ambassador, IEEE Tunisia Section Tunisia

27 October 2023 at 7 pm (UTC+1)
<https://www.youtube.com/@IEEER8-ActionforIndustry>

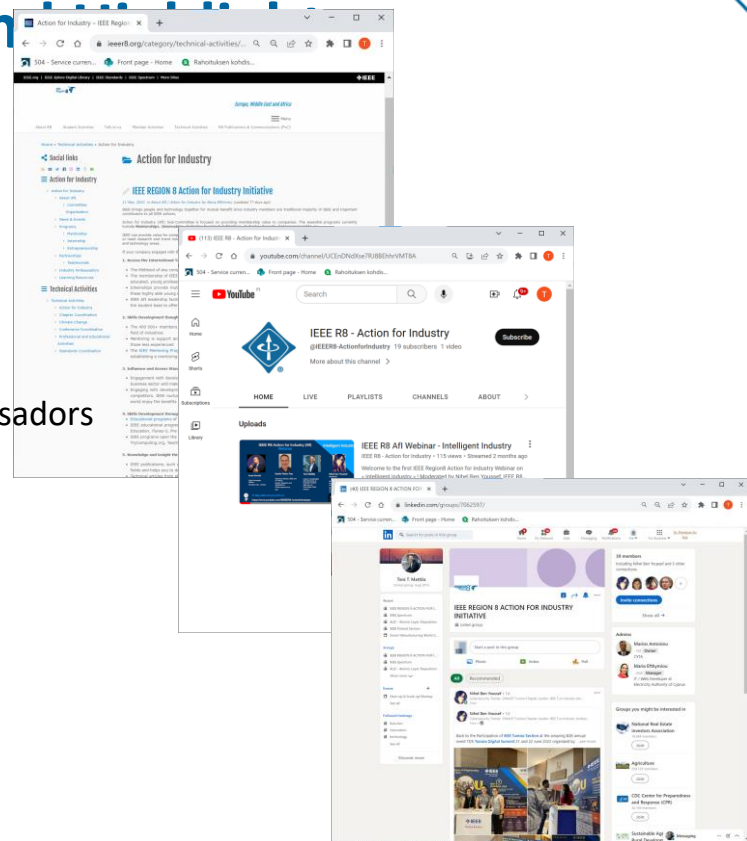
region 8 IEEE



Progress Made Against each Goal and

Activity Highlights

- ▶ Awards Program
 - Two awards under preparation:
 - Recognition of Section level industry activities
 - Recognition of individual Section Industry Ambassadors
- ▶ Communications (website & social media)
 - Renewal of Action for Industry **website**
 - Presentation of all programs
 - Creation of Action for Industry Value Proposal
 - Social Media
 - Opening of the **YouTube** channel
 - Revitalization of the **LinkedIn** group



Plans for The Rest of The Year 2024

- ▶ Scale up industry engagement through closer collaboration with Section Industry Ambassadors (SIA)
 - SIA coordination through quarterly meetings: help and support for SIAs to engage companies locally
 - One physical SIA meetings:
 - SIA Meeting: Region 8 SYP: July 15 – 19, Grenoble, France
- ▶ Events: quarterly industry engagement webinars
 - Q1/24: IEEE Standards – Part 2
 - Made available on the Afl YouTube channel for later viewing
- ▶ Events: Industry workshops under consideration
 - IEEE MELECON, June 25-27, 2024, Porto, Portugal
 - IEEE RTSI, September 18 - 20, 2024, Milan, Italy
- ▶ Approval of the Industry Awards + first award cycle
- ▶ AdHoc externally initiated activities
 - IEEE Industry Hub
 - IEC Gaps and Opportunities group: Industry Engagement
- ▶ Collaboration with Professional And Educational Activities Committee

Thank you For Your Attention!

Contact: Toni.T.Mattila@ieee.org

Questions?