

IEEE Region 8



Technical Activities

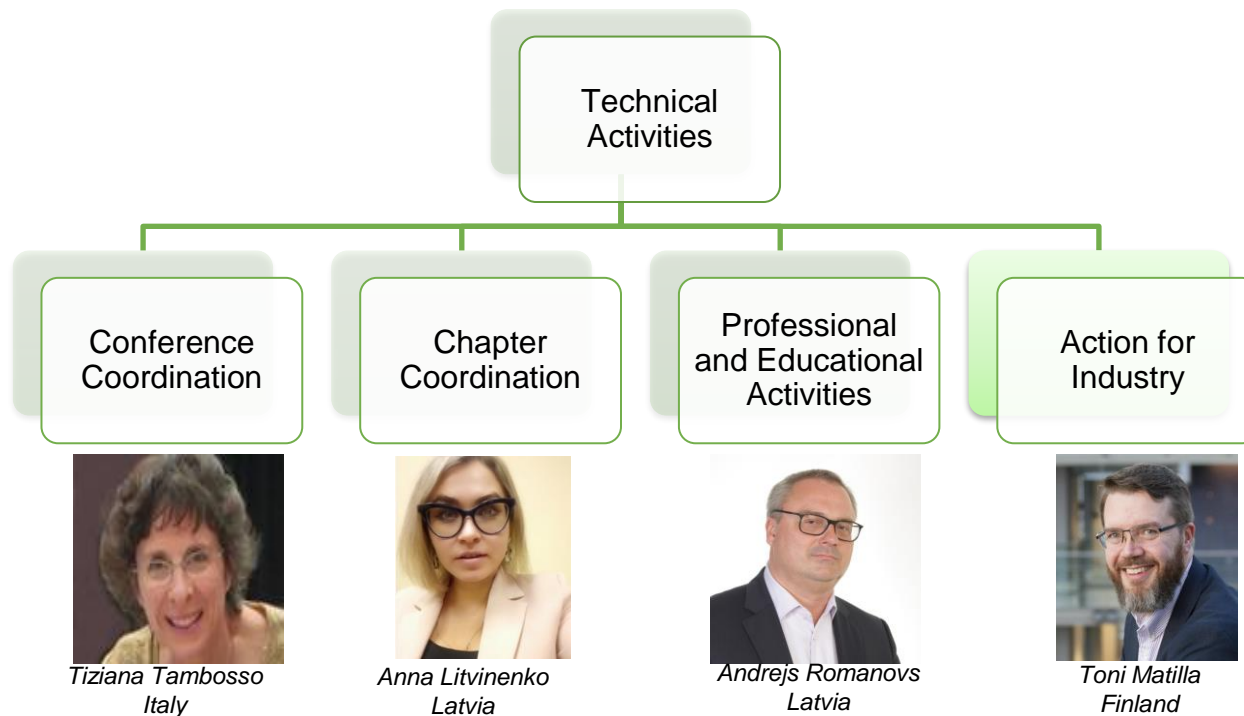
Marios Antoniou

Region 8 Committee Meeting Spring 2023

Bucharest 25 March 2023

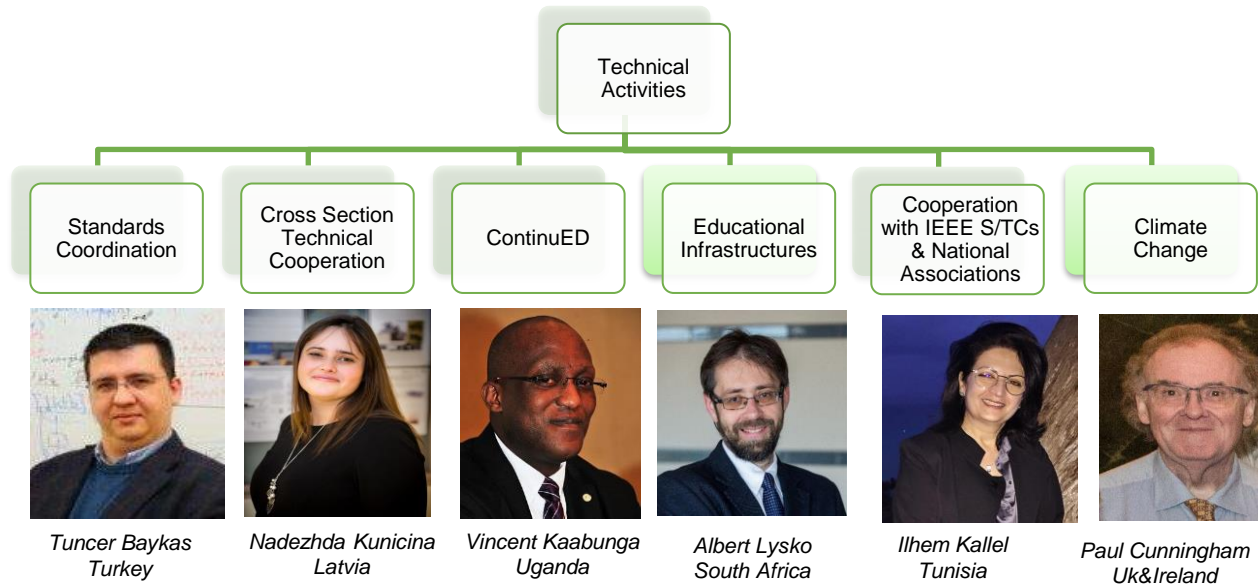
Technical Activities

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 with an emphasis on Continuous Education.	2 events for Continuous Education.
4. Expand Action for Industry programs. Create Industry awards.	Number of internships and MoUs. Number of industry awards.
5. Increase cooperation between TA committees with MA and SA committees.	2 joint meetings 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

- ▶ Management of Technical Activities committees and AdHocs committees.
- ▶ One to one meetings with Committee Chairs to discuss Goals, KPIs and Programs.
- ▶ Regular online meetings with TA committee chairs.
- ▶ Handover meetings and kick off meetings for all TA committees.
- ▶ Kick off meetings for Educational Infrastructures, Cross Section Technical Cooperation, Standards Coordination, ContinuEd AdHoc committees.
- ▶ Collaboration between Technical and Membership Activities for Volunteer Leadership Workshop



Technical Activities progress



- ▶ Online training for flagship and portfolio conference organizers.
- ▶ Chapter Chairs training during Region 8 Volunteer Leadership Training Workshop.
- ▶ Flagship and portfolio conference site selection is completed.
- ▶ Conference training for new Section Chairs during 120th Region 8 meeting.
- ▶ Organization of Industry workshop with industries during Africon 2023.
- ▶ Organization of an Entrepreneurship workshop, a Startup competition and a student competition for Climate Change and SDGs during Eurocon 2023.

Technical Activities plans



- ▶ Collaboration between Technical Activities, Membership Activities, Student Activities for events and workshops during Region 8 flagship conferences for students, YPs and WIE.
- ▶ Collaboration between Technical Activities, Membership Activities, Student Activities for Climate Change.
- ▶ Collaboration between ContinuED AdHoc with Action for Industry and Professional and Educational Activities Committees for Continuous Education programs (5G, Digital Transformation, Smart Distribution) to industry partners.
- ▶ Collaboration between Standards AdHoc, Cross Section Collaboration AdHoc and Conferences Coordination Committee.
- ▶ Incorporation of industry workshops and panels in Region 8 Flagship conferences.

Conference Coordination Committee

Spring 2023

Tiziana Tambosso

Conference coordination committee members

2023 Team:



Tiziana Tambosso
(Italy)
Chair



Habib M. Kammoun
(Tunisia)
Past Chair



Abdellah Kouzou
(Algeria)
Member



Shaun Kaplan
(Germany)
Member



Pascal Lorentz
(France)
Finance Committee Liaison



Nadezda Kunicina
(Latvia)
Corresponding Member



Sergio Rapuano
(Italy)
Corresponding member



Fatma Taher
(UAE)
Corresponding member



Robert Bierwolf
(Benelux)
Corresponding Member



Ana Madureira
(Portugal)
Corresponding member

Members of the IEEE Conference
Committee - ICC

Peter Nagy (Hungary)

Paul Cunningham (Ireland)

Antonio Luque (Spain)

Maciej Ogorzalek (Poland)

Shashank Gaur (Austria)

Cecilia Metra (Italy)

Aleksandar Mastilovic (Serbia)

webpage: <http://conferences.ieeer8.org/>

Email: conferences.officer@ieeer8.org

Main Goals

1. Timely review of the financial and technical co-sponsorship (TCS/FCS) requests
2. Ensure success of the R8 flagship conferences: call for bids, support, oversight
3. Ensure success of IEEE conferences TCS/FCS by the R8
4. Increase the R8 visibility through conferences
5. Support the sections' conference coordinators
6. Ensure good relationship with MGA, MCE, and other regional conference coordinators
7. Industry focused events and conferences

Progress made *Highlights*

Timely review of the financial and technical co-sponsorship (TCS/FCS) requests

In the first two months of 2023 **ten requests** of R8 Technical Co-Sponsorship were managed with two declined, eight approved.

Ensure success of the R8 Flagship & Portfolio Conferences

- **Online training for portfolio and flagship conference organizers** (January 12, 2023)
- **support** for ongoing F&P conferences (for each conference one or two CoCC members were assigned to assist conference organizers with informations, advices and continuous monitoring for a successful organization)
- **evaluation of 9 bids** and recommendations of new F&P conferences sites and organizers for: IHTC 2024, EUROCON 2025, AFRICON 2025, RTSI 2025. Evaluation of organizer, venue and budget for RTSI 2024 (5 Motions for this R8 Committee meeting - see agenda)

Support the sections' conference coordinators and Section/Subsection Chairs

- A task force consisting of two CoCC members is dedicated to this task
- Updated the list of Section conference Coordinators - **call for further appointments**
- Educational workshop for new Section/Subsection Chairs organized on March 24th, 2023

Progress made *Highlights cont.*

Ensure success of IEEE conferences TCS/FCS by the R8

- **CoCC liaisons** for every upcoming FCS/TCS/conc. unit conference have been assigned
- **Supervision of the entire process** from the application form to the final report submission and budget control for R8 FCS conferences only. (Ongoing activity)
- Recommendation of a **steering committee for EDUCON 2023** with two representative: one for CoCC and one for R8
- Assignment of an extra-budget for traveling at the conference
- Actions to make this conference a **new R8 portfolio conference**

Increase IEEE R8 visibility through conferences

- IEEE **R8 booth** @ flagship & portfolio conferences
- **R8 director** or his representative at the **opening ceremony** of main R8 conferences
- **Special events** involving R8 & Local Organizing Sections Committees:
 - EUROCON 2023 entrepreneurship workshop and competition, WIE events and S&YP competitions
 - AFRICON 2023 workshop for industry organized by R8 AFI committee
 - HISTELCON 2023 workshop on “Women in the history of technology”
 - EDUCON 2023 presentation from R8 representatives

Progress made *Highlights cont.*

Ensure good relationship with MGA, MCE, and other regional conference coordinators

- constant contacts and cooperation in the **organization of educational events**
- participation in the ICC meetings for Region Conference Chairs (March 21st, 2023)
- an article with MCE has been prepared on: “R8-Regional Conference Coordinator Shares Leadership Transition Best Practices”

Industry focused events and conferences

- RTSI (Research and Technology for Society and Industry) is the only **R8 conference with an industry focus**, with many workshops, panel and special events dedicated to industry and with industry contribution.
 - A best practice documents has been prepared to be used as a starting document by the RTSI steering committee.
 - Organization of RTSI 2024 started with the support of CoCC and R8 Steering Committee
- AFRICON 2023 - a **workshop dedicated to industry** is being organised by the R8 Afl Committee.
- EUROCON 2023 - a **workshop and a competitions dedicated to entrepreneurship and startups** has been organized, a **plenary speech** at the opening session of Orio Bellezza **CEO of the ST Italy** (see <https://2023.ieee-eurocon.org/>)

R8 Steering Committees for the R8 F&P Conferences

The primary role of these Steering committees is working on a **list of best practices** for that **specific** conference (each F/P conference has its own peculiarities).

This list of best practices shall be useful for the present and future organizers with the **main goal of ensuring a standard level of quality and a continuous improvement of conference results** (number of attendees, high technical quality, industry participation, involvement of students, YP, WIE, positive feedback by participants)

Best practices should be a living document enriched with multiple experiences of previous, present and future conference organizers

The **compositions of the steering committees** reflects this objective including: past chair/s, present chair/s, R8 CoCC representative, Local organizing section representatives, other IEEE or R8 representatives relevance for that specific conference

LIST OF STEERING COMMITTEES already approved by the R8 OPCOM

EUROCON 2023 (Chair: Nadezhda Kunicina)

IHTC 2023 (Chair: Carlos A. Lozano-Garzon)

HISTELCON 2023 (Chair: Antonio Savini)

ENERGYCON 2024 (Chair: Abdellah Kouzou)

AFRICON 2023 (Chair: Peter Nagy)

MELECON 2024 (Chair: Tiziana Tambosso)

EDUCON 2023 (Chair: Edmundo Tovar)

RTSI 2024 (Chair: Gianfranco Chicco)

2023-2024 Flagship and Portfolio Conferences

- July 6-8, 2023, **20th EUROCON**, Torino, Italy
- September 7-9, 2023, **8th HISTELCON**, Florence, Italy
- September 20-22, 2023, **16th AFRICON**, Nairobi, Kenya
- November 1-3, 2023: **International Humanitarian Technologies Conference (IHTC)**, Santa Marta, Colombia
- June 25-27, 2024, **22th MELECON**, Porto, Portugal
- March 4-7, 2024, **8th ENERGYCON**, Doha, Qatar
- September 18-20, 2024, **8th RTSI**, Milano, Italy

IEEE EUROCON

Torino (Italy), 6-8 July 2023



Plenary Speaker



Trends in Power Electronics with focus on wide-bandgap materials technology and applications

Orio Bellezza

President, Technology, Manufacturing, Quality and Supply Chain
STMicroelectronics

Call for Best Entrepreneurship Idea demo&poster Competition

This call is devoted to young Start ups (TRL 3-5) and entrepreneurs to showcase successful entrepreneurship ideas in the field of interest of IEEE.

<https://2023.ieee-eurocon.org/>



HISTELCON 2023

Florence, Italy - 7-9 September 2023



IMPORTANT DATES

15 April 2023 – Paper Submission

20 May 2023 – Paper review notification

17 June 2023 – Final Camera-ready paper submission

28 June 2023 – Early bird registration expires



CONFERENCE TOPICS

In addition to the relations between Technology and Science, the conference is open to other topics, including:

- Technology museums
- Computers and microprocessors
- Device and system vulnerability
- Foundational research and Big Science
- Measurement systems and units
- Big corporations
- Radio astronomy
- Humanistic studies and technology

<https://2023.ieee-histelcon.org/>

IEEE AFRICON 2023

Nairobi, Kenya || September 20-22, 2023

Advancing Technology in Africa Towards Presence on the Global Stage



IMPORTANT DATES

29th March 2023 - Submission deadline

15th May 2023 - Author Notification deadline

1st June 2023 - Camera Ready Papers submission

21st August 2023 – Early Bird Registration Deadline

20th – 22nd September 2023 – Conference Dates

<https://2023.ieee-africon.org/>

2023 Financially Co-Sponsored R8 Conferences

IEEE EDUCON 2023

IEEE Global Engineering Education Conference

Salmiya, Kuwait || 1-4 May 2023 || American University of Kuwait

May 1 - May 4, 2023

American University of Kuwait

Salmiya, Kuwait

<https://2023.ieee-educon.org/>



Past conferences:

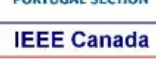
- 2010 – Madrid, Spain
- 2011 – Amman, Jordan
- 2012 – Marrakesh, Morocco
- 2013 – Berlin, Germany
- 2014 – Istanbul, Turkey
- 2015 – Tallinn, Estonia
- 2016 – Abu Dhabi, UAE
- 2017 – Athens, Greece
- 2018 – Tenerife, Spain
- 2019 – Dubai, UAE
- 2020 – Porto, Portugal
- 2021 – Vienna, Austria
- 2022 – Gammarth, Tunisia

11th IEEE International
Conference on Wireless for Space
and Extreme Environments
WiSEE 2023



September 6-8, 2023 - Aveiro, Portugal

Financial Co-sponsors



Paper submission
May 30, 2023

<https://2023.ieee-wisec.org/>



IEEE



2023 Technical Co-Sponsored R8 Conferences

<http://conferences.ieeer8.org/>

May 22-26, 2023: **46th MIPRO ICT and Electronics Convention (MIPRO)**, Croatia

May 22-24, 2023: **IEEE Jordan International Joint Conference Electrical Engineering and Information Technology (JEEIT)**, Jordan

July 9-12, 2023: **IEEE Symposium on Computers and Communications (ISCC)**, Gammarth, Tunisia

July 23-25, 2023: **IEEE International Conference on Omni-layer Intelligent Systems (COINS)**, Berlin, Germany

September 11-13, 2023: **International Symposium ELMAR**, Zadar, Croatia

September 13-15, 2023: **IEEE International Symposium on Technology and Society (ISTAS)**, Swansea, Wales

September 27-29, 2023: **12th IFIP/IEEE International Conference on Performance Evaluation and Modeling in Wired and Wireless Networks (PEMWN)**, Berlin, Germany

October 5-6, 2023: **9th International Conference on Optimization and Applications (ICOA)**, Abu Dhabi, United Arab Emirates

October 25-27, 2023: **16th International Conference on Advanced Technologies, Systems and Services in Telecommunications (TELSIKS)**, Nis, Serbia

November 6-8, 2023: **IEEE International Conference on Microwaves, Communications, Antennas, Biomedical Engineering and Electronic Systems (COMCAS)**, Tel Aviv, Israel

December 18-20, 2023: **IEEE 11th International Conference on Systems and Control (ICSC)**, Sousse, Tunisia

R8 Section Conference Coordinators

In R8 we have 59 Sections and 12 Sub-Sections.

Only 28 Section Chairs answered to the request of the CoCC asking to assign a Conference Coordinator. For the small Sections/Sub-Sections the Section/Sub-Section Chairs can act as conference coordinators.

APPOINT YOUR CONFERENCE COMMITTEE COORDINATOR!

CoCC has organized the first face to face Educational Workshop for newly elected Section Chairs on March 24, 2023 in cooperation with IEEE MCE. Other online workshops for conference coordinators and conference organizers will be organized in 2023.

HISTELCON 2025



Dead Lines:

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

30 April 2023

- ▶ Final bid:

15 June 2023

Contact us!

Email: conferences.officer@ieee8.org

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

Chapters Coordination Committee

Spring 2023

Anna Litvinenko

R8 Chapter Coordination Committee 2023



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 R8 Chapters
Reports on potential chapters & vitality
1. R8 Chapter Chairs training
Chapter Chairs training was organized at the R8 Volunteer Leadership Training Workshop, on 23-24 February 2023 at Glasgow
3. Organization of the R8 ChCC awards
Applications for Best Chapters Awards and Student Branch Chapters
4. Collecting and promoting best practices relevant to creating and running successful Chapters
Chapter Chair training (Q1 2023), planned Chapter Panorama (Q4 2023)

Chapter coordination Highlights - Statistics

Overall status:

- 59 510 members of Societies vs 41 473 last Meeting
- 648 Active Chapters vs 635 last Meeting
- 577 Active Student Branch Chapters vs 524 last Meeting

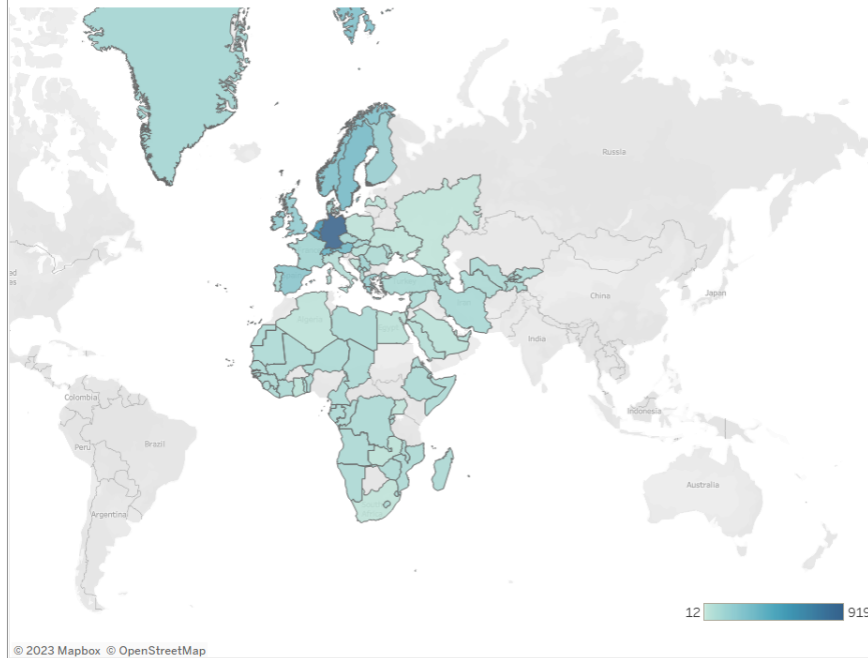
Status on new chapters created since last meeting:

- 13 new Chapters are created
- 53 new Student Branch Chapters are created

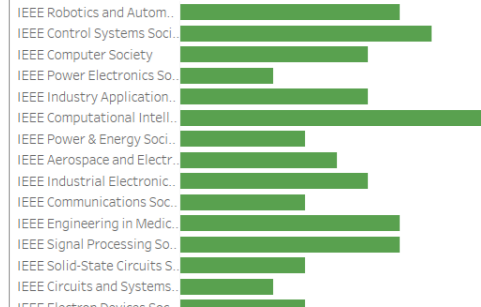


Monitoring current state of IEEE Region 8 Chapters

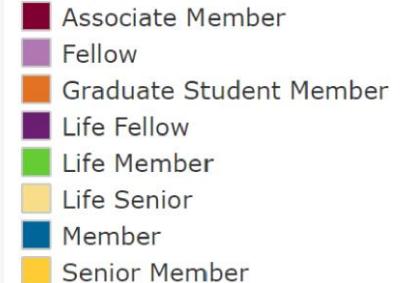
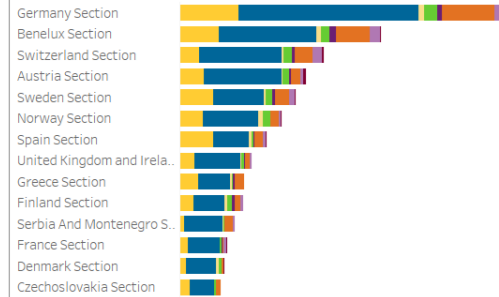
Analysis by Section



Chapter Opportunities by Society



Members by Section/Grade



Monitoring current state of IEEE Region 8 Chapters

Summary Potential Chapters /R8 by Society

Society	Number of potential Chapters
IEEE Robotics and Automation Society	7
IEEE Control Systems Society	8
IEEE Computer Society	6
IEEE Power Electronics Society	3
IEEE Industry Applications Society	6
IEEE Computational Intelligence Society	10
IEEE Power & Energy Society	5
IEEE Signal Processing Society	7
IEEE Aerospace and Electronic Systems Society	5
IEEE Industrial Electronics Society	6
IEEE Communications Society	4
IEEE Engineering in Medicine and Biology Society	7
IEEE Solid-State Circuits Society	4
IEEE Circuits and Systems Society	3
IEEE Electron Devices Society	4
IEEE Systems, Man, and Cybernetics Society	10
IEEE Nuclear and Plasma Sciences Society	4
IEEE Robotics and Automation Society	7

Society	Number of potential Chapters
IEEE Antennas and Propagation Society	6
IEEE Photonics Society	9
IEEE Information Theory Society	3
IEEE Instrumentation and Measurement Society	6
IEEE Ultrasonics, Ferroelectrics, & Frequency Control	8
IEEE Microwave Theory and Technology Society	3
IEEE Vehicular Technology Society	7
IEEE Intelligent Transportation Systems Society	7
IEEE Dielectrics and Electrical Insulation Society	10
IEEE Education Society	4
IEEE Consumer Technology Society	3
IEEE Geoscience and Remote Sensing Society	4
IEEE Magnetics Society	6
IEEE Electronics Packaging Society	1
IEEE Technology and Engineering Management Society	4
IEEE Reliability Society	1
IEEE Broadcast Technology Society	1
IEEE Electromagnetic Compatibility Society	1
IEEE Oceanic Engineering Society	1

IEEE Region 8 Chapter Chairs Training



Chapter Coordination Committee in close and synergic collaboration with Membership Development Committee have organized the R8 Volunteer Leadership Training Workshop for Chapters chairs and Section Chairs as well as MD Chairs between 24 and 25 February 2023, at Glasgow.

IEEE Region 8 Chapter Chairs Training

Training program

- Both committees are thankful for event hosting to IEEE UK & Ireland Section and opening speech to its representative prof. Izzet Kale.
- The IEEE Region 8 Vice Chairs Vinko Lesic and Marios Antoniou have presented the main trends and news of IEEE Region 8.
- The past chairs of Chapter Coordination Committee and Membership Development Committee - Andrejs Romanovs and Mike Hinchey presented history, strategy, and current values.
- The training on tools for technical activities for Chapters chairs have been provided by Anna Litvinenko and Albert Lysko.
- The training on tools for technical activities for Section and MD chairs have been provided by Mariya Antyufeyeva, Andrejs Romanovs and Mike Hinchey.

The participants have emphasized the especial importance of the advanced skills on the IEEE tools (vTools, IEEE OU Analytics) gained during the training, as well additional value of created Chapter Activities Plans and MD Activities Plans based on the gained knowledge and shared best practices.

To consolidate the effectiveness of the event the next training event is planned for Q1 2024.

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 2022 awards (for 2021 efforts):

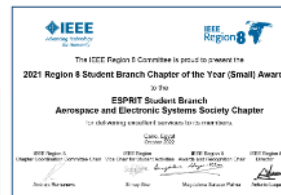
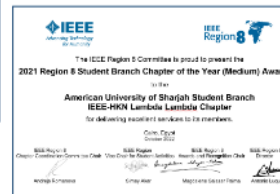
- R8 Chapter of the Year Award – Large: Tunisia Section Computer Society Chapter
- R8 Chapter of the Year Award – Small: Jordan Section Robotics and Automation Society Chapter

Winning Student Branch Chapters (SBC) in 2022 awards (for 2021 efforts):

- R8 Student Branch Chapter of the Year Award – Large: ESPRIT Student Branch Industry Applications Society Chapter, Tunisia Section
- R8 Student Branch Chapter of the Year Award – Medium: American University of Sharjah Student Branch IEEE-HKN Lambda Lambda Chapter, United Arab Emirates Section
- R8 Student Branch Chapter Award – Small: ESPRIT Student Branch Aerospace and Electronic Systems Society Chapter, Tunisia Section



Chapter of the Year 2022 Award



IEEE Region 8 Chapters of the Year Awards 2023

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

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.

Chapter Coordination Committee has organized the annual virtual two day-long event - Chapter Panorama held in December 2022. During the event the best practices of R8 Chapters of the 2022 year have been shared and promoted from:

- IEEE Jordan Section Robotics and Automation Society Chapter
- American University of Sharjah Student Branch IEEE-HKN Lambda Lambda Chapter, United Arab Emirates Section
- ESPRIT Student Branch Industry Applications Society Chapter, Tunisia Section
- ESPRIT Student Branch Aerospace and Electronic Systems Society Chapter, Tunisia Section
- IEEE Tunisia Section Computer Society Chapter

Moreover the special talks from Societies have been given by a representative of

- IEEE Industry Applications Society for Research Enhancement and Career Development - PhD Wei-Jen Lee, President (2021-2022) IEEE IAS.

In addition, some basics on IEEE and chapter activities have been presented by Andrejs Romanovs and Albert Lysko.

To continue this great tradition, the next issue of Chapter Panorama will be scheduled for Q4 2023.



Professional and Educational Activities

Spring 2023

Andrejs Romanovs



Professional and Educational Activities (PEAC) Mission

PEAC's **mission** is to **coordinate** educational activities programs in Region 8 including pre-university, university-level and continuing education, and to promote the public awareness of IEEE educational programs and resources for educators, engineering professionals, parents, students, IEEE volunteers and members, and the public.

To encourage and **support** local IEEE organizational units to organize professional and educational seminars and workshops in Region 8 and to train local tutors for these activities.

To **promote** the development of non-technical skills programs in order to meet the ever-changing landscape of modern education, as well as the changing needs of engineering students and professionals.

PEAC Team 2023

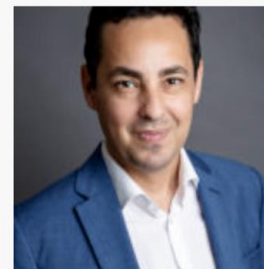
***We are here to serve as a
supporters and a first
contact for Region 8
Educational and Professional
Activities Officers, IEEE
volunteers and members,
and the public.***



Andrejs Romanovs
(Latvia) Chair



Ana Margarida Trigo
(Portugal)



Conrad Attard
(Malta) Past Chair



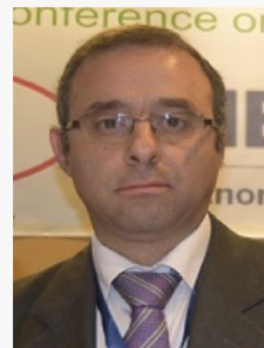
Dalius Navakasas
(Lithuania)



Mistura Muibi-Tijani
(Nigeria)



Natalia Piaseczna
(Poland)



Hadi Kanaan
(Lebanon)



pea.officer@ieeer8.org



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IEEE

IEEE
Region 8





PEAC Highlights – Goals 2023

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



PEAC Highlights – Goals 2023



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)



PEAC Highlights – Goals 2023

5. 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.
6. Recruit speakers to support development of soft skills via **PEA Speakers Program**. Recruit expert, train and educate **local presenters** for PA topics in Region 8.
7. Establish **working cooperation** with Region 8 Standing Committees (Action for Industry, Entrepreneurship) and AdHoc Committees (Continu>Ed, Educational Infrastructures, Engineering Projects in Community Service), collaborate with Educational Activities Board (EAB) and IEEE–USA on PA products and services to enhance members services and employment prospects.



PEAC Highlights – Past

IEEE Region 8 Robot Championship 2022, Malta, December 3-4, 2022



The first 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.

Six important **STEM Workshops** were organized linked to the Robot Championship - STEM workshop on hardware and software in robotics & a STEM workshop for educators.

PEAC Highlights – Past



IEEE Region 8 Robot Championship 2022, Malta, December 3-4, 2022

The RC2022 awardees:

First Place: **Alpha Beetle, Malta** - Zack Farrugia, Jean Paul Bonavia and Gabriel Giordmaina. Additional 4 awards - Best Looking Robot and Branding Judges' Choice, Most Effective Add-on, Best Design and Best Pushing Power.

Second Place: **AI Robotics, UAE** - Krishna Ajith, Ryan Fernandes and Sherwin Dsouza.

Best Maneuverability Award: **Droid Dominion, Malta** - Lydin Camilleri

Best Teamwork Award: **Electro Reinvented, Cyprus**

Best Tactics Award & Best Challenger Award: **Team Flam, Tunisia**

Awardees of STEM workshop on hardware and software in robotics & a STEM workshop for educators:

1st place: Manipal Academy of Higher Education **AI Robotics, United Arab Emirates**

2nd Place: MCAST **Alpha Beetle, Malta**

3rd Place: Cyprus University **Electro Reinvented, Cyprus**



PEAC Highlights – Present

IEEE Region 8 Acceleration Program contest, August 2022 - March 2023

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.

Congratulations and a huge well done to **Jorge Torres Gomez & Lukas Stratmann** from the **IEEE Germany section** who are the winners of the IEEE Region 8 Acceleration Program contest, Pre-University Category with '*Climate Change Lessons STEM in the K-12 Education Level*'!



ACCELERATION PROGRAM
IEEE REGION 8





PEAC Highlights – Present

IEEE Region 8 Local Language program, October 2022 – June 2023

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.

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



PEAC Highlights – Future



#EducationAtIEEE



IEEE Education Week™

Email: EducationWeek@ieee.org

Web: <https://educationweek.ieee.org/>

2-8 April 2023



IEEE

IEEE Region 8 



PEAC Highlights – Future

2023 EAB Awards
IEEE Educational Activities Board

2023 Nominations Now Open

Learn more about the
Educational Activities Awards Program
www.ieee.org/education/awards

Nomination Deadline: 1 May 2023

Recognize and honor individuals and organizations for excellence and outstanding contributions to engineering and technical education in IEEE fields of interest

IEEE
Advancing Technology
for Humanity

Call for
2023 EAB Awards
NOMINATIONS





PEAC Highlights – Future

2022 Nominations / Applications by IEEE Region

10 EAB Awards

Standards Education

Employer Professional Development

Continuing Education

Accreditation

Education Innovation

Society/Council Professional Development

Pre-University Education

Service to IEEE EAB

Employer Professional Development

Section Professional Development

Outreach and Informal Education

4 HKN Awards

HKN Outstanding Teacher

HKN Outstanding Technical Achievement and Excellence

HKN Outstanding Young Professional

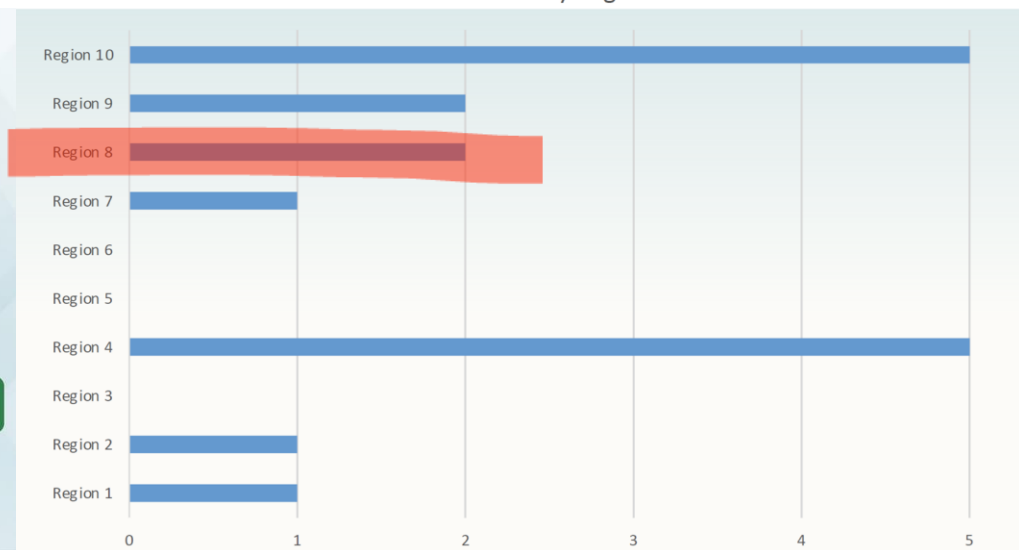
HKN Distinguished Service

2 Scholarship/Fellowship

Life Members Graduate Study Fellowship in Electrical Engineering

Charles LeGeyt Fortescue Scholarship

By Region





PEAC Highlights – Future



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 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, courses, and more.



[EPICS in IEEE](#) empowers students to work with local service organizations to apply technical knowledge to implement solutions for a community's needs.



[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 students.



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 their teaching.



[ABET](#) is a nonprofit, non-governmental organization that accredits college and university programs in applied and natural science, computing, engineering, and engineering technology. IEEE is a member society with ABET, IEEE oversees more than 100 programs in computing, and more in IEEE's



[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



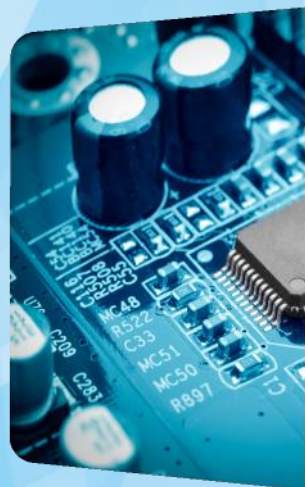
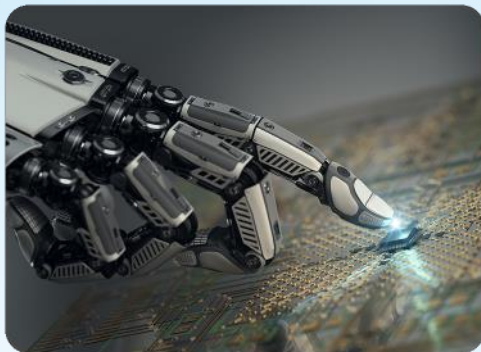


PEAC Highlights – Future



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

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 2023-2024



[Toni Mattila](#)
Chair
(Finland)



[John Matogo](#)
Past Chair
(Kenya)



[Nihel Ben Youssef](#)
Industry Events and
Initiatives Lead
(Tunisia)



[Stamatis Dragoumanos](#)
(Greece)



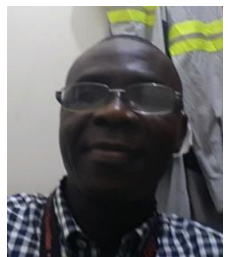
[Maria Efthimiou](#)
Communications Lead
(Cyprus)



[Cosmin Moisa](#)
Internship Lead
(Romania)



[Kithinji Muriungi](#)
SIA Lead
(Kenya)



[Vincent Olema](#)
Entrepreneurship Lead
(Uganda)



[Sohaib Qamer](#)
Industry Awards Lead
(UK)



47
Industry
Ambassadors in
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)
- Awards
- Entrepreneurship
- Communication

Contact: afi@ieeeer8.org

AFI Committee Work Plan 2023



(lead by Toni Mattila)

Sub-Goal 1: Mentorships Program

- ▶ **Overall objective:** *Grow the number of mentors on the platform and promote the mentoring opportunities to industries*
- ▶ **Action plan:**
 - Approach Senior and Fellow members of IEEE and ask for their willingness to become a mentor for people in industry
 - Promote the mentoring opportunities for companies through SIAs, website, and social media campaigns
 - Platform to be utilized for mentor-mentee match making is Collabratec
 - Metering of mentor-mentee matches must be implemented
- ▶ **KPIs:**
 - New registered mentors: 10 in 2023
 - Number of mentor-mentee matches made: 50
- ▶ **Milestones :**
 - Outreach to Seniors and Fellows: by end of H1
 - Marketing promotion will be ongoing; social media promotion started by end of Q3
- ▶ **Budget:**
 - Within the Afl Sub-Committee operational budget (\$0)



AFI Committee Work Plan 2023

Sub-Goal 2: Internships Program



(co-lead by Cosmin Moisa)

- ▶ **Overall objective:** *Engage companies with IEEE by offering them an opportunity to find interns, trainees and young professionals amongst the members of IEEE*
- ▶ **Action plan:**
 - Approach companies locally with the help of Industry Ambassadors appointed by Sections (SIA)
 - SIAs need to be inducted to deliver the value proposal of engaging with IEEE
 - Open positions will be made available to all IEEE members to apply
 - Improved means of bringing open positions and applicant together (platform through which applications and positions can be mediated)
 - Options under investigation:
 - Self-built & self-maintained platform
 - “Outsourced” platform: options include (a) IEEE Collabratec, (b) IEEE Carrier Guidance Platform, (c) IEEE Volunteering
- ▶ **KPIs:**
 - Number of open positions: 20 by the end of 2023
 - Number of filled positions: 90 % of all open positions
- ▶ **Milestones :**
 - Value proposal for SIAs by the end of H2
 - Choice of platform options by the end of H2
 - Milestones of implementation depending on the selected option
- ▶ **Budget:**
 - External budget may be needed depending on the chosen platform



AFI Committee Work Plan 2023



(lead by Nihel Ben Youssef)

Sub-Goal 3: Industry Events and Initiatives Program

- ▶ **Overall objective:** *Engaging companies with IEEE through events and initiatives*
- ▶ **Action plan:**
 - Collecting database of **local partners** from SIAs
 - Creating an online channel - IEEE R8 Afl **webinars** (Technical fields presented by both existing industry partners (MoUs) , Guest speakers, IEEE members and lectures, YP, Student members...)
 - Engaging existing industries (MoU signed by R8 Sections) with some scheduled IEEE R8 **Flagship conferences**
 - Participating of Afl committee to the annual **IEEE R8 SYP congress** (Engaging industry partners to Job fair, Animating workshops (technical, R&D...) by AFI committee and industry partners, Presenting AFI sub teams activities, Award ceremonies for SIA and industry partners...)
- ▶ **KPIs:**
 - Collecting at least 2 *contacts* of industry partners per R8 Section through SIA
 - Engaging industry with at least 2 *IEEE R8 events* (in 2023: Africon, RTSI)
 - Organizing at least 2 *IEEE R8 AFI webinars*
 - Participating to the annual *IEEE R8 SYP congress*
- ▶ **Milestones:**
 - End of April 2023: Collecting industry contacts from SIA
 - May/June 2023: Organizing First R8 Afl Webinar
 - August : Participation to IEEE R8 SYP congress
 - September/October 2023: Organizing second R8 AFI Webinar
- ▶ **Budget:**
 - Travel costs of 1-2 Afl members to participate to some IEEE R8 Flagship conferences
 - Travel costs of 1-4 Afl members to participate to R8 SYP congress



Afl Workshop at Africon 2023

- ▶ Date: 20 - 23. 9. 2023
- ▶ Duration: 2 – 2,5 h
- ▶ Room capacity: 50 people
- ▶ Target audience: local industries
- ▶ Theme: “Industry 4.0”
- ▶ Preliminary agenda:
 1. Opening words, Toni Mattila (10 min)
 2. Keynote: “Digital Transformation in Industry 4.0”, tbc (20 min)
 3. Invited focus talk 1: “cloud computing, IoT and data analytics/AI”, tbc, (10 min)
 4. Focused talk 2: “Wireless Connectivity as an Enabler of Industry 4.0”, John Matogo or Toni Mattila (10 min)
 5. IEEE Industry Engagement Committee (IEC), Costas Stasopoulos (20 min)
 6. IEEE Action for Industry goals and actions Toni Mattila or John Matogo (10 min)
 7. Break (10 min)
 8. Technical Activities in Region 8, Marios Antoniou (10 min)
 9. Panel conversation; moderator: John Matogo (30 min)
 - Keynote speaker (tbc)
 - Invited focus speaker (tbc)
 - Afl Chair, Toni Mattila
 10. Q&A (15 min)
- ▶ Possibility to have an industry visit under investigation

AFI Committee Work Plan 2023



Sub-Goal 4: Section Industry Ambassador Coordination Program (lead by Kithinji Muriungi)

- ▶ **Overall objective:** Empower Section Industry Ambassadors (SIAs) with required resources and know-how to optimally engage local industry partners.
- ▶ **Action plan:**
 - Conduct regular quarterly virtual sessions for reporting and mentorship purposes among IAs
 - Conduct annual regional physical IAs meetings
 - Conduct regular online trainings and workshops to align IAs with the core Afl thematic goals
 - Have updated record of all active IAs in all the sections
- ▶ **KPIs:**
 - Number of virtual and physical sessions (trainings - 3, mentorship - 2, workshop - 3, meetings - 3, etc)
 - Number of active SIAs reporting regularly (90% Active)
- ▶ **Milestones :**
 - Have regular sessions at least once per quarter
 - Have 90% of quarterly reporting presented by SIAs
 - Have at least one physical annual regional meeting per region
- ▶ **Budget:**
 - Within the Afl Sub-Committee operational budget + SIA meetings applied separately

AFI Committee Work Plan 2023



(lead by Sohaib Qamer)

Sub-Goal 5: Industry Awards Program

- ▶ **Overall objective:** Development and administration of Afl's awards program
- ▶ **Action plan:**
 - Agree number of awards to be developed along with their scope, nomination requirements, judging criteria and deadlines;
 - Establish online presence with relevant information and nomination templates;
 - Initiate a Region-wide marketing campaign;
 - Coordinate the development and administration process with R8 Awards & Recognition Committee, and the IEEE Industry Engagement Committee;
 - Induct a judging panel and execute the judging process;
 - Deliver award as part of R8 Fall meeting or another R8 event depending on agreed timescales;
 - Optimize administration process in the second year based on learnings.
- ▶ **KPIs:**
 - Initiate nomination process on agreed timescales;
 - Deliver award as part of R8 Fall meeting or another R8 event
- ▶ **Milestones :**
 - 15 April 2023 – Award development requirements completed and submitted for Afl approval
 - 15 May 2023 – Award materials available on R8 website and marketing campaign initiated
 - 30 June 2023 – Award nomination deadline
 - 20 July 2023 – Judging complete and results submitted to R8 Awards and Recognition Committee (ARC) for plaque development
 - Aug-Oct – Award presented at agreed upon event
- ▶ **Budget:**
 - Plaque costs – To be coordinated with R8 ARC to confirm where the costs reside (FYI – R8 bulk prints plaques and certificates for all awards)
 - \$1000 – Amount to be divided amongst winners to be used for future events



AFI Committee Work Plan 2023



(lead by Vincent Olema)

Sub-Goal 6: Entrepreneurial Activities Program

- ▶ **Overall objective:** To enable IEEE members to access & utilize appropriate business skills, information and services aimed at achieving a sustainable & competitive business in long run.
- ▶ **Action plan:**
 - Raise awareness about entrepreneurship
 - Boost entrepreneurs with an adapted assistance **ecosystem**
 - Strengthen skills among entrepreneurs
 - Encourage continuous innovations among our IEEE membership
 - Stimulate priority groups with targeted actions
 - Encouraging more member to become entrepreneurs
 - Create Entrepreneurship Forum Group: Afl members to join and participate in the discussions
- ▶ **KPIs:**
 - Involve all IEEE Sections in R8 in entrepreneurship activities => number of entrepreneurs in each section will increase
 - Expand to new business entities => New companies that have signed MoU agreements.
 - Increase the number of mentees
 - Organize and participate in industry and entrepreneurship events => Increase the number of entrepreneurship in each section.
- ▶ **Milestones :**
 - Entrepreneurship Mentorship program (Professionals, Students, Students): Continuous
 - IEEE Entrepreneurship Day to promote Entrepreneurship: Recruit Entrepreneurship ambassadors in various section: 27th of September, 2023 (Activities around Entrepreneurship)
 - Business Plan & Proposal Writing Sessions (Virtually by DL): Afl ambassadors can choose when to run this programs in their sections.
 - IEEE R8 Entrepreneurship Month: Afl ambassadors can choose when to run this programs in their sections
- ▶ **Budget:**
 - Within the Afl Sub-Committee operational budget (\$1200)



AFI Committee Work Plan 2023



(lead by Maria Efthimiou)

Sub-Goal 7: Communications Program

- ▶ **Objective:** Refresh the Afl website with new material (action plan, SIA testimonials, etc) and promote Afl in social media
- ▶ **Action plan:**
 - Afl 2023 – 2024 action plan on the website (all sub-team leads)
 - Testimonials from active Industry Ambassadors
 - Afl in Social Media
 - Promotion of industry relevant IEEE events in news
- ▶ **KPIs:**
 - Website updates
 - Number of Social Media posts
- ▶ **Milestones:**
 - Release of refreshed website in H1/2023
 - Social Media plan implemented H2/2023
- ▶ **Budget:** no budget necessary at this point

Thank you For Your Attention!

Contact: Toni.T.Mattila@ieee.org

Questions?