Professional and Educational Activities Committee   Andrejs Romanovs
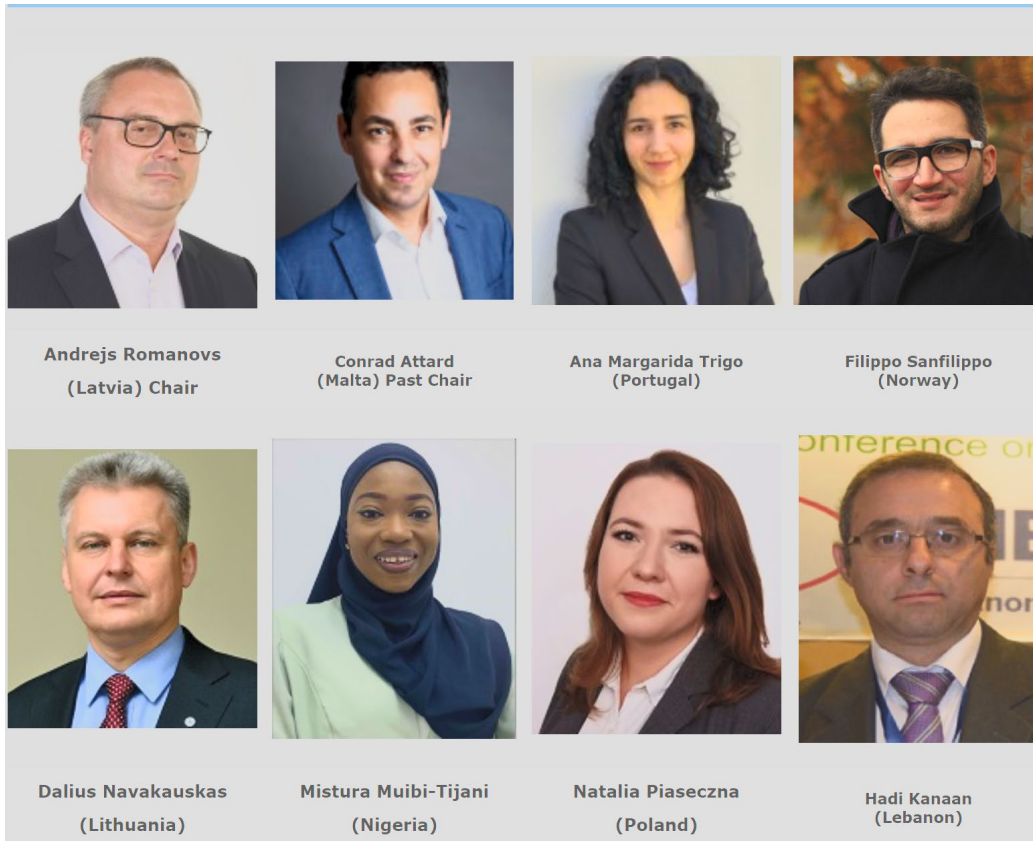

PEAC's mission is to coordinate educational activities programs in Region 8 including pre-university, university-level and continuing education, and to promote the public awareness of IEEE educational programs and resources for educators, engineering professionals, parents, students, IEEE volunteers and members, and the public. To serve as contact point for Region 8 Educational Activities and Professional Activities officers and members.

        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 2024 team

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)

Goals

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.

        KPI: Number of PEA officers in Sections

2. Serve as contact point for Region 8 Educational Activities and Professional Activities officers and members in Sections.

        KPI: number of requested/resolved messages

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.

        KPI: number of eNotice/webcast delivered, number of unique clicks on links in eNotes/emails, number of events organized, number of participants

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

4.1 Continuing Professional Education Programs, such as IEEE Learning Network (ILN), IEEE eLearning Library, IEEE Credentialing Program, IEEE Innovation at Work

        KPI: number of participants, distribution by countries and topics, number of taken courses

4.2 University Education Programs, such as EPICS (Engineering Projects in Community Service), IEEE-Eta Kappa Nu, Teaching Excellence Hub, accreditation with ABET.

> KPI: number of participants, distribution by countries, number of organized STEM workshops, number of project applicants, number of winners

4.3 Pre-University Education Programs, such as IEEE TryEngineering Month, IEEE TryEngineering Summer Institute, TryEngineering Together, STEM Grants.

> KPI: number of participants from, distribution by countries, number of grant applicants, number of winners

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.

> KPI: number of applications, number of participants, distribution by countries, number of winners, number of sponsors

6. Recruit speakers to support development of soft skills via PEA Speakers Program. Recruit expert, train and educate local presenters/trainers for PA topics in Region 8.

> KPI: number of speakers, number of training sessions

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.

> KPI: number of joint events

Progress since the last report

Region 8 Professional and Educational statistics:

> R8 Pre-University activities meetings held – 800
> R8 STEM program meetings held – 138
> R8 Continuing Education meetings held – 118
> R8 Professional Development meetings held – 609

The appointment of local PEA officers and Educational Activities Committees in Region 8 Sections.

> For Educational Activities Chairs in Sections of Region 8 we have slight increase for the reporting period – as of October 2024 number of Educational Activities Chairs is 32 (27 in January 2024), the same slight increase we have for Professional Activities Chairs – 31 as of October 2024 (26 in January 2024).

Promotion of educational and professional activities.

> (EAB/Committee level) Informing about 2024 IEEE Educational Activities Board Awards (April 27th)
> (University level) R8 PEA Workshop at Region 8 Student and Young Professionals Congress (July 17th)
> (University level) Informing about EPICS in IEEE Artificial Intelligence and Autonomous Systems Service Learning Projects (July 29th)
> (Pre-University level) Informing about Upcoming IEEE STEM Summit (October 1st)

Promotion and support of Region 8 local programs.

> **Local Language Program 2024**
> successfully finished and reported 4 events out of active with 15 approved.

> **Accelerator program 2024**
> successfully finished and reported 2 events out of active with 6 approved. Activities covers full range of pre-University, University and Continuing Education activities. 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.

> **STEM educational activities linked to the IEEE R8 Robot Championship**
> 30 STEM activities has been submitted for evaluation, more then 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 US dollars respectively.

> **IEEE R8 Robot Championship**
> IEEE Robot championship 2024 will be held in Malta on the 23 and 24th November
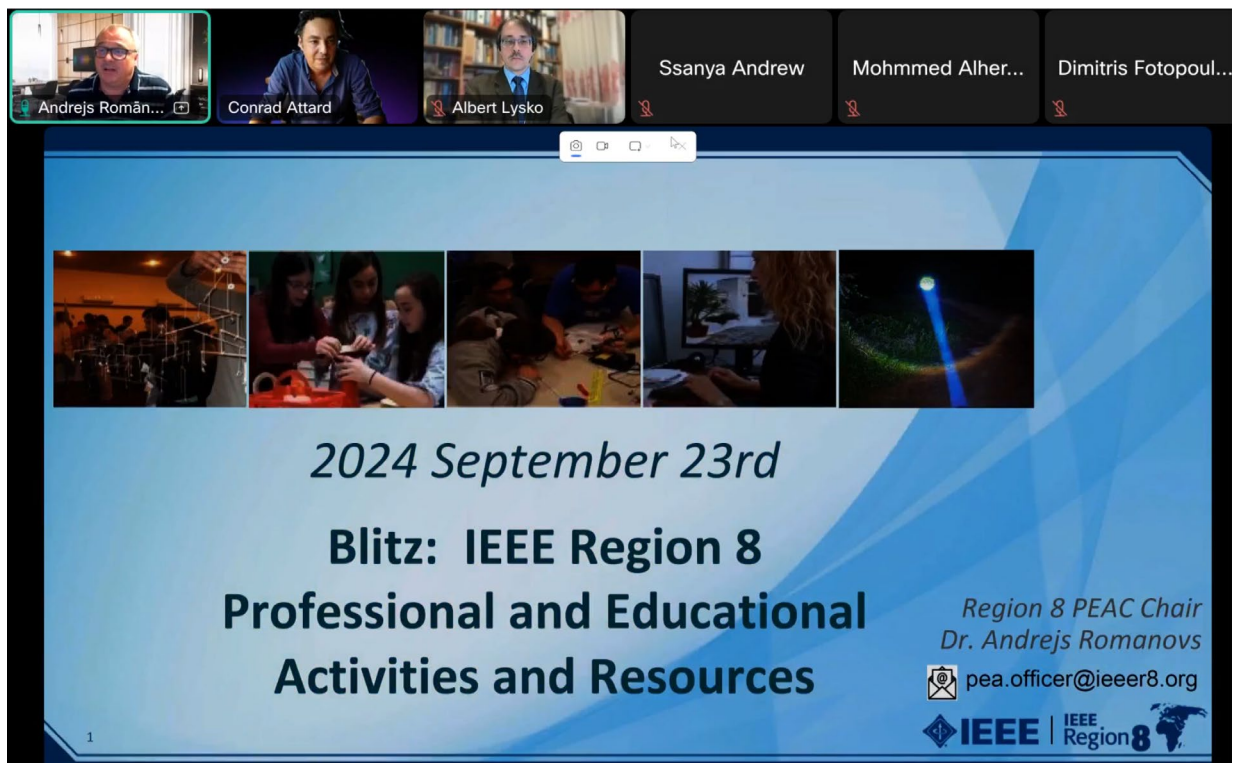> 38 teams applied and 15 teams were chosen from 11 different R8 countries. 5 webinars and a number of information session were organized with over 80 participants on zoom or on social media attending these sessions on:

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.

Serve as contact point for Region 8 Educational Activities and Professional Activities officers and members in Sections

In order to wider discuss different Professional and Educational programs and resources, application procedures, funding, value to the members and other important PEA topics, IEEE Region 8 Professional and Educational Activities (PEAC) collaborating with Educational Infrastructures (EIC) Committees 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.

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, then at the December discussing IEEE STEM Grant Application with Stamatis Dragoumanos.