



PEA
IEEE Region 8
Professional and
Educational Activities

Report Region 8 Meeting 2022 April

R8 Professional and Educational Activities

According to R8 Operations Manual (OpMan) the mission of the Professional and Education Subcommittee is to develop non-technical skills programs (such as “Leadership Skills Training” or “Project Management”) in order to provide additional value to members, in particular to young engineers and students. To coordinate educational activities programs in Region 8 including pre-university education, university-level education, post-university (continuing) education and the promotion of public awareness of engineering, technology and other topics within IEEE’s Field of Interest.

A new logo was designed to reflect what PEA is about. Three sub brands were created including pre university, university and continuing education.



PEA
IEEE Region 8
Professional and
Educational Activities

New Logos have been designed for PEA committee. Three sub bands where included to reflect the three categories, pre university , university and continue education.

 PEA	 PEA	 PEA
<hr style="border: 1px solid #00A69A;"/> IEEE Region 8 Professional and Educational Activities PRE-UNIVERSITY	<hr style="border: 1px solid #E67E22;"/> IEEE Region 8 Professional and Educational Activities UNIVERSITY	<hr style="border: 1px solid #F1C40F;"/> IEEE Region 8 Professional and Educational Activities CONTINUING ED.

—

The committee has changed and we welcome new volunteers who will contribute to various programs we have planned.

Rawane El Jamal is a corresponding member assigned to entrepreneurship initiative.



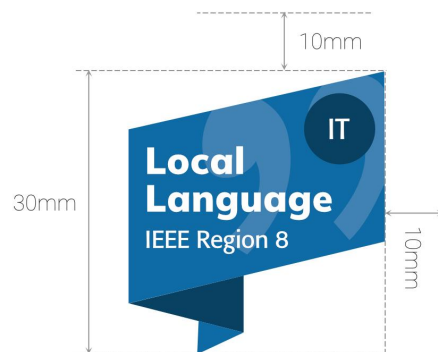
Igor Matias, *Ph.D. candidate @ University of Geneva, Switzerland*
Corresponding member — Pre-university



As part of the local Language program we proposed to initiate the local language ambassador and an icon that will be used in events that will be delivered in their local language. Different



icons were created for various languages spoken in our regions. These are three icons that will be used when delivering activities in your local language.



IEEE R8 Robot Championship 2022

A logo for the championship was created.



IEEE REGION 8
MALTA

The event will happen in Malta in Autumn 2022 over two days. The main competitions will be held on the second day. The dates will be published later on during the second quarter of 2022. Applications will be open on April 1st 2022 till June 1st 2022 end of day CET time. Student branches can support a team of three to apply and compete in Malta in 4 games. More information will be available here: www.ieeemalta.org/robotchampionship

Consultative committee members of engineers, that have been successful in previous robot competitions, are as follows. We organized 8 meetings and 2 focus groups.

Coordinator Conrad Attard
Gloriaanne Ellul
Kurt Abela
Alison Baldaccino
Andrea Mifsud
Lawrence Chetcuti
Nick Attard
Daniel Camilleri
Tracey Camilleri
Clifford De Raffaele
Edward Gatt
Paul Zammit

In December we signed the MOU between IEEE Malta section and IEEE Region 8. We set up a Robot Championship Student outreach committee, as follows.

Igor Matias (PEA pre university corresponding member)
Conrad Attard (Robot Championship Coordinator 2022)



Tracey Camilleri (malta student councilor)

Daniel Camilleri (ex robot competitor and Cyberselves - CEO in UK. Cyberselves is developing an online platform to transform robots into mass consumer devices. We do not make robots, we make robots work.)

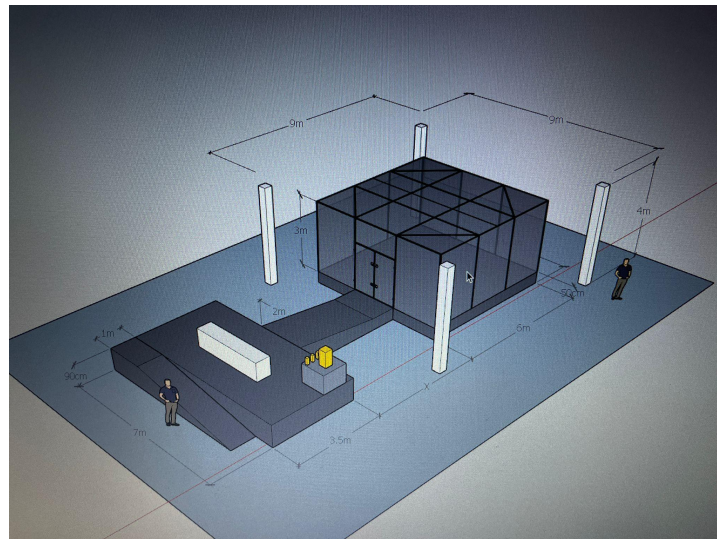
Davide Morgado (**2021-22 Student Branch Coordinator**)

Vildana Hrnjic (SAC member)

A Google form was created to allow students to apply for the championship (until 1st June 2022, as stated above). This form is publicly available at <https://forms.gle/C3mU7n4rK4bH2mK19> and will be announced in the coming days.

Negotiations have been taking place regarding the venue of the physical event in Malta.

The design and conception of the arena for the championship have also been worked on and are reaching the final stages in the coming weeks.



Sketchup Design of proposed arena

Finally, the regulations and documentation for the championship are still undergoing work and will be finished in the coming days. This document includes all the requirements, obligations, and rights of each team of roboteers. It also features instructions on how the championship will be done, including the selection process and elimination of teams. Four games are also introduced and described in this document to allow a clear definition of the rules and full transparency on what is and what is not permitted during each one of them.



IEEE R8 Robot Championship 2022 STEM program

After being accepted in the Robot Championship 2022, using the Google form stated in the previous point, each team of roboteers will need to apply for at least two STEM activities. These two activities must be performed before the physical event in Malta.

To allow the communication of each team's plans, a Google form was also created. It is publicly available at <https://forms.gle/7dAJthc6VJLrRN829> and will be announced in the coming days/weeks.

While working on the regulations and documentation for the championship (stated in the previous topic), the guiding lines and instructions regarding the STEM activities have also been worked on. These include the process of selection, the applicable costs for the funding attributed by Region 8, and general remarks on dates and other important aspects.

Accelerator Contest 2021 report



ACCELERATION PROGRAM IEEE REGION 8

Acceleration Contest

The contest was launched on the 5th of December 2021 and participants could submit until the 20th December 2021.

5 judges were appointed for this context. These are the judges.

- 1) Conrad Attard Chair of IEEE r8 PEASC
- 2) Stamatis Dragoumanos Member of PEASC
- 3) Sohaib Qamer EAB
- 4) Nizar Rokbani PEASC continuous education
- 5) Rawaneel Jamal YP



We received 5 submissions :

- 2 from Tunisia in University Category
- 1 from Egypt in pre-University Category
- 1 from Kenya which may compete in pre-university and continuous education
- 1 from Nigeria in Pre-University Category
- A- For The Pre University Category

Kenya and Egypt projects are in concurrence, both submitted sustainable projects covering all steps of an educational process : Planning, design, teachers training, pupils activities and a form of assessment (very clear for the Egypt submission).

Egypt project (Mu Beta Kidzineers STEM Outreach)cumulative score is 209 points.

Kenya Project (TryEngineeringSTEM-) cumulative score is 193 points.

Nigeria Project (VertSTEM:) score is about 191 points.

The pre-university acceleration award for 2021 will be awarded to Egypt Mu Beta

Kidzineers STEM Outreach (209 points).

-B- For continuous education Category

The Kenya Project Training of trainers is the best one submission in the contest and no other project includes any similar well organized training of trainers, which was also COVID' adapted since it included several online trainings for Educators and school staff.

The Acceleration Award for continuous education will be awarded to the Kenya project.

(193 points)

-C- for the University Category

We had 2 submissions,

- The FMK, TN Section (submitted by ISSAT Sousse SB) : 88 points

- INSAT Sb proposal, TN Section : 118 points.

None of the submissions were recommended for this award for 2021 since both projects are Student-branch projects while the focus is to be inclusive at a section Level. Both received low evaluations in MGA goals alignment which may explain why their cumulative score is about 60% of the evaluated project of the contest even if in a separate category.



Local Language Program



To enable a better-informed conception of this program, an online meeting took place with officers from Region 10. During this meeting, several points were discussed, including their version of this program, their rules, and the eligibility and requirements for the activities applying to it.

Region 8 version of the program will include an Ambassador program, in which entities will be chosen from multiple languages. These Ambassadors will be the link between Region 8 and the activities happening in a certain language (which were submitted to this program).

The logos were created in several versions and were then selected. The final versions are presented at the start of this document.

This program is still being worked on and is planned to be announced and started during the third quarter of 2022.

Speaker program



We have planned two events, one will be held on the 22nd April with the Malta Section and the other will be held in the third week of May. The second will be organised by the UK and Ireland section.



PEA
IEEE Region 8
Professional and
Educational Activities

Accelerator Contest 2022



Accelerator contest has been updated considering the feed-back of 2021 editions. Mainly the updates are the following :

- A better identification of the submitter as person and Unit
- A more explicit details on all eligible activities to the contest
- A clear separation of track to which a proposal is submitted : pre-university, University, continuous education
- A clear invitation to check the alignment of the proposals to the MGA goal
- A better identification any IEEE financial support to the program
- More incitative to sustainability
- Inclusive to face to face as well for distance activities are kept from last edition up to global COVID new recommendations
- The call will be released by 1st April 2022
- Deadlines for submissions is 1st August 2022

Link: <https://forms.gle/fbDQPHCLu5Tbe9m1A>

Alpha Program



The alpha program is an integrator program to a large panel of professional and educational activities related to PESAC at a section level.



- The application for was updated to handle the section size
- A clear statement of how the submitted program should be inclusive at section level
- The program was updated to include more detailed list of potential activities eligible to submission
- An obligation to have events posted on vtools in the submission
- In addition a submission template paper was proposed with identical paragraphs for all submitters.
- Proposed deadlines are : 1st August for submissions deadline 1st October for submission.

- December for the award

Link for application submission: <https://forms.gle/n9Kp5W5H1xYJmGky7>

Entrepreneurship week and pitch competition



- 2022 edition planned for Q4 2022. Call for ambassadors will be released in Q3 2022, and events will take place in Q4 2022 by country ambassadors
- Pitch competition final for 2022 will take place in 2022 in R8 SYP in Tunisia. We have selected the top 4 startups by judges choice and pending selection of additional startups by “people’s choice” social media competition

STEM Grants



TryEngineering.org launched a new [IEEE Pre-University Volunteer STEM Portal](#) in January 2021 to support IEEE volunteers in their STEM outreach initiatives, as well as build local STEM communities. To further support volunteer efforts, IEEE STEM Outreach Grants were offered in 2021 for the first time with 18 programs awarded totaling \$35,500, with a good number of recipients from R8 (See the complete list of all our [2021 IEEE Pre-University STEM Portal Grant Recipients](#)).



Grant recipients will be announced on 31 March 2022. Funding awarded will be disseminated in April 2022 to the grant recipient's Section.

2022 IEEE STEM Ambassador Program Application Now Available

As you may recall, the [IEEE STEM Ambassador Program](#) was launched in June 2021 to recognize IEEE volunteers who are conducting STEM outreach programs for pre-university students and teachers in their local community on behalf of IEEE and to build a community of IEEE STEM outreach volunteers.

We are pleased to inform you that the 2022 application window is now open. All active IEEE Members are invited to [submit an application](#) by 4 April, 2022 to be considered as an IEEE STEM Ambassador. Applications will be reviewed in mid-April and selections will be announced on or before 15 April 2022.

What are the Benefits of Being Selected as an Ambassador?

- Recognition for your contributions to pre-university STEM education
 - Opportunity to be involved in a community of IEEE STEM outreach volunteers
 - Funding opportunities
 - Opportunity to build Region and Section awareness of your work
 - Ability to support IEEE pre-university education by sharing your event and event results
 - Access to Ambassador-specific education resources
 - [Submit an application](#) no later than 4 April, 2022
 - For detailed information: [IEEE STEM Ambassador Program](#)
 - Questions? Contact Lynn Bowlby (l.bowlby@ieee.org)
-



PEA
IEEE Region 8
Professional and
Educational Activities

IEEE Education Week

IEEE Education Week™

IEEE Education Week, taking place 4-8 April 2022, is a celebration of the many ways that IEEE Volunteers and Members make an impact on education at every level around the globe. The Education Week website, at <https://educationweek.ieee.org>, offers links to live and virtual events, educational resources, and special offers.

During the week, IEEE Members will have the opportunity to earn points and a digital badge while experiencing the many educational offerings IEEE makes available, from continuing education, to university offerings for faculty and students, to STEM educational initiatives.

IEEE President Ray Liu will also present a special virtual event to help kick off the week on Tuesday, 5 April 2022. [Register Now>>](#)



CONRAD ATTARD PHD

IEEE R8 PROFESSIONAL AND EDUCATION
ACTIVITIES SUBCOMMITTEE CHAIR

[HTTPS://WWW.FACEBOOK.COM/IEEEER8PEA](https://www.facebook.com/IEEEER8PEA)
PEASC@IEEEER8.ORG

