

~~Pharaoh~~ Director report

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119th R8 Committee meeting, Cairo, Egypt

October 2022

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In memoriam

Abdulrahman Khalid Al-Ghunaim, IEEE Kuwait Section founder, Chair and Honorary chair, IEEE Life member

Eng. Abdulrahman Al-Ghunaim, passed away peacefully on Wednesday, August 17, 2022, in Kuwait City, Kuwait. Eng. Al-Ghunaim was born in Kuwait City, Kuwait in 1938 and graduated from San Jose College in California with a BSc degree in electrical engineering in 1962. Following this, he joined the Post, Telegraph & Telephone Ministry, and later in 1969, he was appointed as undersecretary of the Communications Ministry.

In 1984, he was elected to the Kuwait National Assembly, and in 1986 he was appointed Minister of State for Municipal Affairs, a position he held until 1988. And later in 2008, he was appointed Minister of the Communications Ministry. He was a member of the Higher Council for Planning and Higher Council for Education, and he was chairman of the Bank of Lebanon & Kuwait.

He mentored several generations of volunteers in the region, IEEE GCC Sections, and IEEE Kuwait. His impact will endure for many years to come.



Region 8 update

IEEE Region 8 at a glance

Who is Region 8?

72,383 members in over
100 countries

59 Sections, **11**
Subsections and **1**
Council

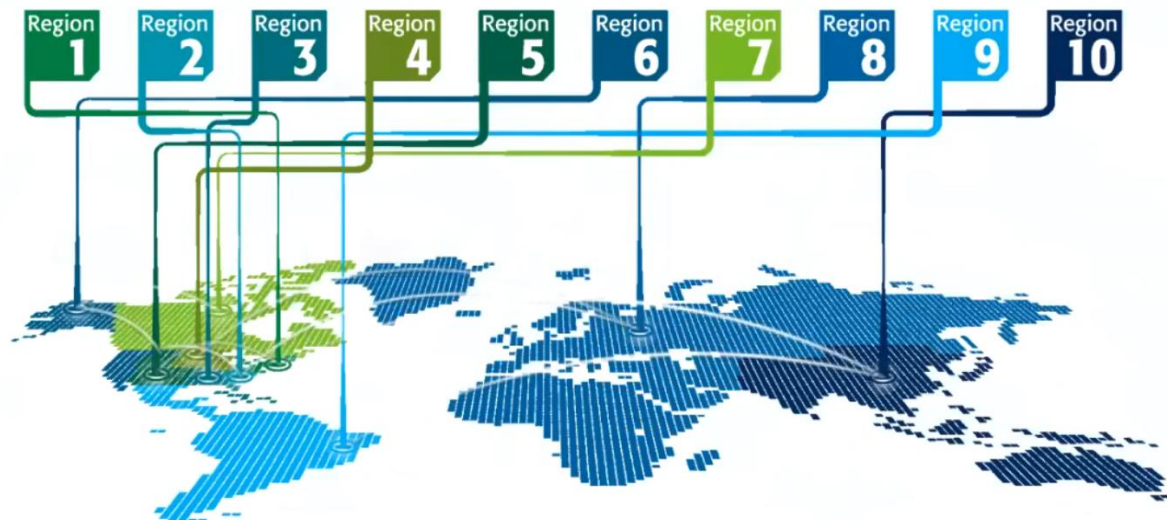
636 (+9) Chapters that unite local members with similar technical interests.

733 (+26) Student Branches at colleges and Universities in **60** countries

531 (+35) Student Branch Chapters of IEEE Technical Societies

109 (=) Section affinity groups

Data current as of 7 October. Changes wrt April 2022



Region membership

Region 8 – August 2022				
Grade	Aug-22	Aug-21	# Change	% Change
Honorary	10	10	0	0
Fellow	1,383	1,318	69	4.93%
Senior Member	10,467	10,042	425	4.23%
Member	37,038	36,032	736	2.04%
Associate	1,227	1,260	-33	-2.62%
GSM	9,210	7,829	1,381	7.13%
Student	10,839	8,119	2,720	33.5%
Total	50,125	48,932	1,193	2.40%

Global membership

Geographic IEEE Membership Summary - August 2022																
REGION	Higher-Grade w/o GSM				Graduate Students				Undergraduate Students				TOTAL MEMBERS			
	2022	2021	Change		2022	2021	Change		2022	2021	Change		2022	2021	Change	
	#	#	#	%	#	#	#	%	#	#	#	%	#	#	#	%
1	21,260	21,532	(272)	-1.3%	1,422	1,208	214	17.7%	1,053	918	135	14.7%	23,735	23,658	77	0.3%
2	18,809	19,197	(388)	-2.0%	1,226	1,085	141	13.0%	763	683	80	11.7%	20,798	20,965	(167)	-0.8%
3	20,172	20,108	64	0.3%	1,754	1,649	105	6.4%	1,284	1,029	255	24.8%	23,210	22,786	424	1.9%
4	13,735	13,912	(177)	-1.3%	1,287	1,134	153	13.5%	909	881	28	3.2%	15,931	15,927	4	0.0%
5	18,668	18,508	160	0.9%	1,351	1,206	145	12.0%	1,269	1,193	76	6.4%	21,288	20,907	381	1.8%
6	37,053	37,310	(257)	-0.7%	1,994	1,809	185	10.2%	1,640	1,655	(15)	-0.9%	40,687	40,774	(87)	-0.2%
R 1-6	129,697	130,567	(870)	-0.7%	9,034	8,091	943	11.7%	6,918	6,359	559	8.8%	145,649	145,017	632	0.4%
7	11,109	11,267	(158)	-1.4%	1,420	1,385	35	2.5%	681	627	54	8.6%	13,210	13,279	(69)	-0.5%
8	50,125	48,932	1,193	2.4%	9,210	7,829	1,381	17.6%	10,839	8,119	2,720	33.5%	70,174	64,880	5,294	8.2%
9	8,663	8,884	(221)	-2.5%	911	1,049	(138)	-13.2%	5,171	4,678	493	10.5%	14,745	14,611	134	0.9%
10	75,052	76,171	(1,119)	-1.5%	18,823	18,362	461	2.5%	42,787	32,424	10,363	32.0%	136,662	126,957	9,705	7.6%
R 7-10	144,949	145,254	(305)	-0.2%	30,364	28,625	1,739	6.1%	59,478	45,848	13,630	29.7%	234,791	219,727	15,064	6.9%
TOTAL	274,646	275,821	(1,175)	-0.4%	39,398	36,716	2,682	7.3%	66,396	52,207	14,189	27.2%	380,440	364,744	15,696	4.3%

Only Region growing in all three categories

Sections in membership goals

26 Sections meeting recruitment goals

Mauritius	Oman
Bosnia And Herzegovina	Italy
Zambia	Spain
Jordan	Switzerland
Uganda	France
Egypt	Serbia And
Iraq	Montenegro
Austria	Denmark
Slovenia	South Africa
Greece	Norway
Bahrain	Morocco
Benelux	Cyprus
Czechoslovakia	
Sweden	
United Kingdom and Ireland	

11 Sections meeting retention goals

Ukraine
Kuwait
Saudi Arabia
Iceland
Qatar
Russia
Bulgaria
Algeria
Poland
Ghana
Malta

11 Sections meeting both goals

Tunisia

Turkey

Western Saudi Arabia

Kenya

Nigeria

Iran

Israel

Finland

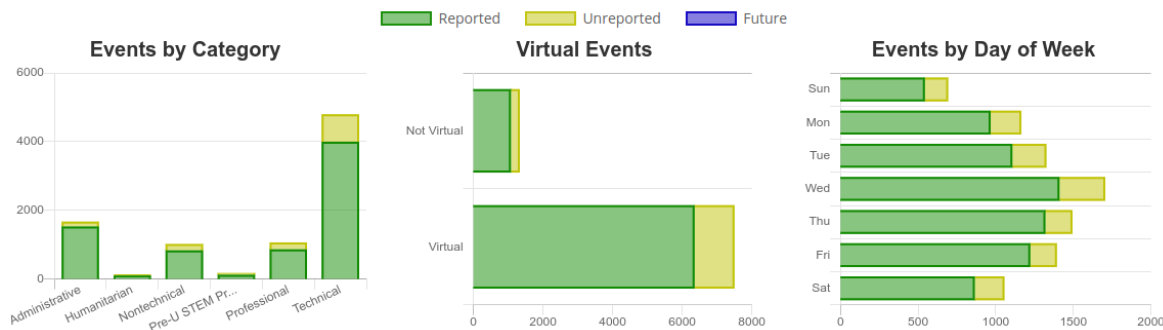
Croatia

Germany

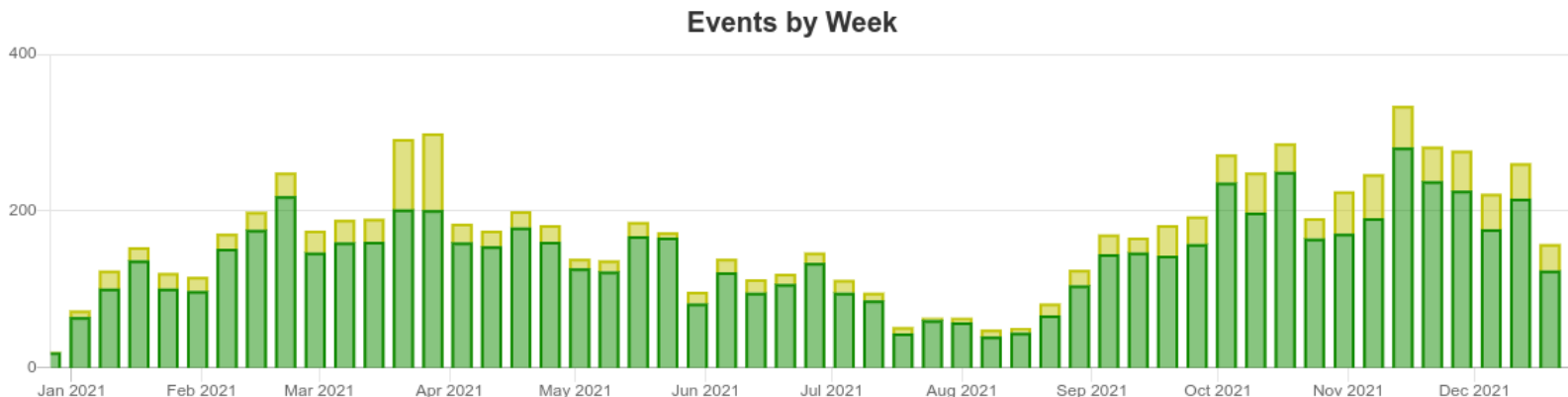
North Macedonia

Total of 48 out of 59 Sections

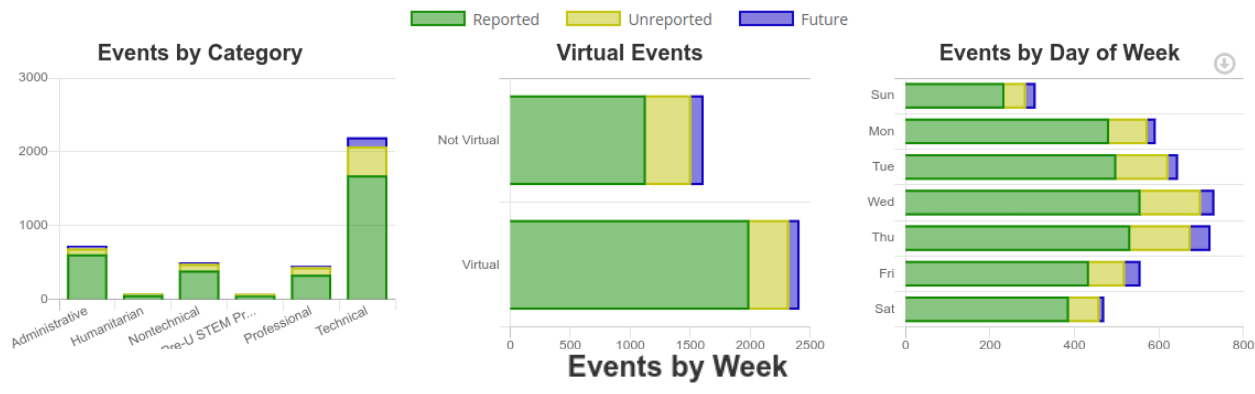
Events in Region 8. 2021



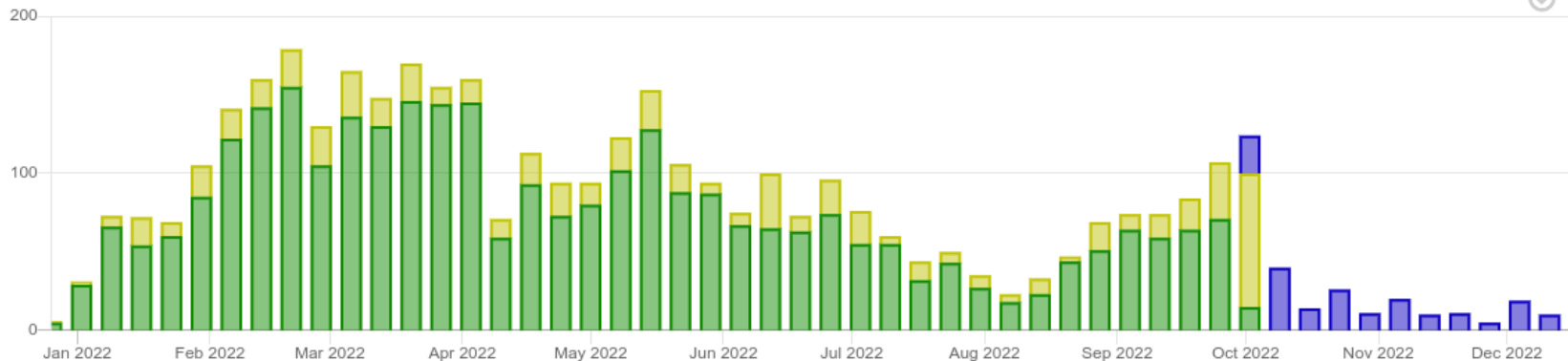
8839 events
in total



Events in Region 8. 2022 YTD



4024 events YTD



Awards to R8 members

2022 MGA Awards. No awards to individuals, units, or institutions in Region 8.

2022 EAB Awards. Stamatis Dragoumanos - EAB Meritorious Achievement Award in Outreach and Informal Education

IEEE Technical Field Awards

IEEE CLEDO BRUNETTI AWARD to JOHN ROBERTSON (FIEEE)—Professor, Cambridge University, Cambridge, Cambridgeshire, United Kingdom

IEEE RAO R. TUMMALA ELECTRONICS PACKAGING TECHNOLOGY AWARD to GUOQI (KOUCHI) ZHANG (FIEEE)—Chair Professor, Delft University of Technology, Delft, The Netherlands

IEEE JAMES L. FLANAGAN SPEECH AND AUDIO PROCESSING AWARD to ALEXANDER WAIBEL (LFIEEE)—Professor, Carnegie Mellon University, Pittsburgh, Pennsylvania, USA and Karlsruhe Institute of Technology, Karlsruhe, Germany

IEEE HERMAN HALPERIN ELECTRIC TRANSMISSION AND DISTRIBUTION AWARD to NIKOLAOS D. HATZIARGYRIOU (LFIEEE)—Professor, National Technical University of Athens, Athens, Greece

Awards to R8 members (cont'd)

IEEE DONALD O. PEDERSON AWARD IN SOLID-STATE CIRCUITS to **INGRID VERBAUWHEDE (FIEEE)**—Professor, Research group COSIC (Computer Security and Industrial Cryptography group), KU Leuven, Leuven, Belgium

IEEE PHOTONICS AWARD to **ROEL BAETS (FIEEE)**—Professor, Department of Information Technology, Ghent University - IMEC, Gent, Belgium

IEEE FRANK ROSENBLATT AWARD to **MARIOS POLYCARPOU (FIEEE)**—Professor of Electrical and Computer Engineering and Director of the KIOS Center of Excellence, University of Cyprus, Aglantzia, Cyprus

IEEE KIYO TOMIYASU AWARD to **TIM BOESCKE (non-member)**—Senior Manager, OSRAM Opto Semiconductors, Regensburg, Germany

IEEE TRANSPORTATION TECHNOLOGIES AWARD to **HOLGER MEINEL (non-member)**—Senior Engineer, Daimler AG (Retired), Ulm, Germany

IEEE LEON K. KIRCHMAYER GRADUATE TEACHING AWARD to **RÜDIGER URBANKE (SMEE)**—Professor, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland

Recent milestone dedications

“String Galvanometer, 1901-1905” (Benelux Section)

“Active Shielding of Superconducting Magnets, 1984-1989” (United Kingdom and Ireland Section)

“Manchester University “Baby” Computer and its Derivatives, 1948-1951” (United Kingdom and Ireland Section)

“Atlas Computer and the Invention of Virtual Memory, 1957-1962” (United Kingdom and Ireland Section).



Tom Kilburn and Freddie Williams with “Baby”

This marks the 20th milestone for UK & Ireland Section! (21st recently approved)

IEEE Proprietary

Regional update

- Ethiopia Subsection formed, R8 Bylaws updated
- Operations manuals for committees
- 2023 budget
- Open calls for xSYPs in 2023
- Calls for flagship conferences
- Participation of zone representative at MGA meetings
- Updated version of R8 logo

Highlight of Regional activities



Updates from AdHocs

- Diversity, Equity and Inclusion. New Chair appointed. Proposal to make a standing committee of the Region.
- Humanitarian activities in conflicts. Term ended in July. Number of activities and proposals in cooperation with local Section. Integration with specific programs in IEEE.
- Student contests*. Transition to permanent program inside SAC.
- Career services*. Looking at ways to make the programs permanent and sustainable.

* Presenting during this meeting

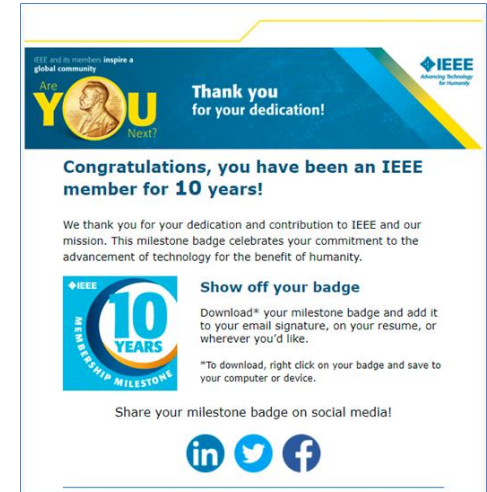
Points of concern

- Recruitment of higher-grade members. Challenge in retention of students.
- Appeal to industry practitioners.
- International collaboration in research and innovation. Geopolitical situation leading to more isolation between countries.
- Everlasting problem of membership value and relevance of professional organizations.

Updates from IEEE and MGA

MGA Board meetings in June and September

- ▶ Approvals of Ethiopia Subsection, Egypt Section in Africa Council, and new R8 Bylaws.
- ▶ Pilot program for membership fees in local currency, with four Sections including Lebanon in R8.
- ▶ Digital membership badges, also in Collabratec
- ▶ Third (and final) year of Future50 will complement the new undergraduate student dues in developing nations and countries with low-income economies. Student prices \$14 or \$5. GSM not included.
- ▶ Moving forward in Region realignment



Region realignment

- Proposed changes to IEEE Bylaws and MGA Operations Manual sent to Governance for review. Goal is to place them in the November MGA and Board of Directors agendas.
- **Changes include merging of Regions 1 and 2 into R2, splitting of Region 10 into R10 and R11, and having zone representatives from R8 (permanently) and R10 (until split) at the MGA Board.**
- New Region structure to be in place in January 2028. Zones would be effective in January 2023.
- Work will need to continue in 2023 and beyond to finalize governance at MGA and Regions levels.

Board of Directors meetings

- ▶ Changes in Google Workspace and benefit to members
- ▶ Travel requirements now at pre-pandemic state
- ▶ Constitutional amendmend endorsed and passed in the 2022 ballot
- ▶ Improvements in treatment of authors membership data in conferences
- ▶ New Executive Director starting in January 2023
- ▶ Potential changes in Fellow elevation process and in Humanitarian activities

Upcoming events and initiatives

Upcoming conferences and events

3-4 December 2022. R8 **Robot Championships**. Malta

6-8 July 2023. 20th International Conference on Smart Technologies (**EUROCON**).
Turin, Italy.

7-9 September 2023. 8th IEEE History of Electrotechnology Conference
(**HISTELCON**). Florence, Italy

20-22 September 2023. IEEE **AFRICON**. Nairobi, Kenya

Short report of the last two years

Region 8 2021-2022

- Successfully transitioned from a pandemic, fully virtual model, to a semi-normal state. Reluctance or limitations to travel still perceived in some activities, especially conferences.
- Started and funded new initiatives (Robot championship, Diversity and Inclusion, Student contests, Career platform...) that should become permanent part of Region activities.
- Surplus due to lack of travel carried over, also returning now to almost normal budget. Funds for new initiatives in Sections. Budgets presented to R8C in advance.
- New model for conference portfolio. Added RTSI as Regional conference.
- More training provided to volunteers, especially Students.
- Revitalization of R8news and progress in other communication channels.
- Strategic retreat to think on long-term planning.
- R8 as model in IEEE for Humanitarian, Industry, YP, ...
- Updated Bylaws, Operations manual, and committee manuals.
- New R8 committees (DEI, Entrepreneurship, Finance, Life Members, Publications and Communications).

Appreciation

THANK YOU to all OpCom members, Section Chairs, Committee Chairs and members, and all volunteers in general, for their outstanding efforts and dedication during the unprecedented challenges we faced in 2021 and 2022.

Questions?