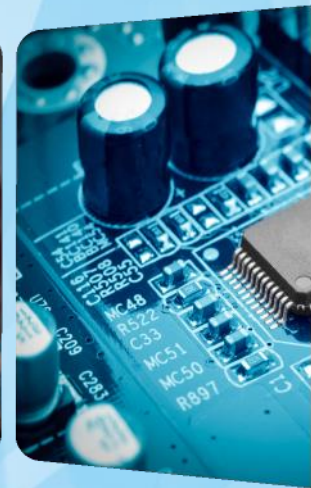
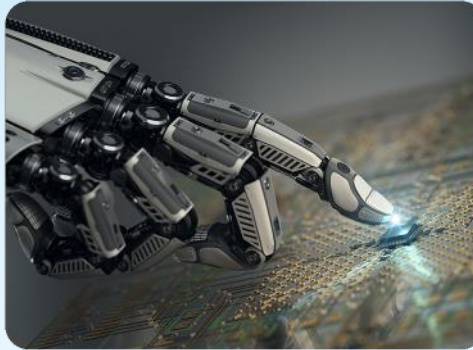


# *IEEE Region 8 Meeting– Cairo, Egypt*



## **Region 9 Presentation**

***Enrique Tejera***

***Region 9 Director 2022-2023***

***October, 2022***

# Introduction

## Enrique Tejera, IEEE SM

### Education

- **MSc. Electrical Engineering, University of Panama. 1981**
- **BSc. Electrical & Mechanical Engineering. UT at Arlington TX. 1993**

### IEEE Current Activities

- **IEEE Region 9 – Director 2022-2023**
- **Power & Energy Magazine Spanish version Editor-in-Chief since 2015**
- **IEEE History Committee Vice-Chair 2021-2022**
- **PES Distinguished Lecturer since 2014**
- **CONCAPAN XL Conference Chair 2022**

### IEEE Previous Major Activities

- **HKN Governor Regions 7,8, 9 & 10 2017-2019**
- **Division VII Director 2010-2011**
- **PES VP Membership & Chapters 2004-2008**

### Professional Experience

- **Institute of Hydraulic Resources and Electrification 1979-1991**
- **Panama Canal Authority 1991-2021**
- **Independent Consultant since 2021- Present**



# Agenda

- Geographic location
- History
- Mission and Objectives
- Statistics
- OU's
- Region 9 Committes
- Region 9 Councils
- Goals for 2022-2023
- Some 2022 Highlights

# MAP of Region 9



Includes:

- Mexico
- Central America
- South America
- Caribbean (except Jamaica R3)

# HISTORY

1884

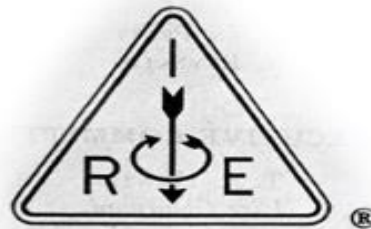
1912

1963

Present



**AIEE**  
American Institute  
of Electrical Engineers



**IRE**  
Institute of Radio  
Engineers



AIEE and IRE merged to  
become the Institute of  
Electrical and Electronic  
Engineers, or **IEEE**.

2

1939  
Argentina

4

1958  
Colombia

34

2019  
Chile Norte

2022  
Dominican  
Republic

1922  
Mexico

1

1956  
Argentina

3

1961  
Chile

5

2019  
Colombia  
Caribe

35





# IEEE Region 9 Founded in 1966

**IEEE**  
**Region 9**



# Interesting facts

- When IEEE emerged, sections that were outside the territory of the United States (Regions 1-6), Canada (R7) and Europe (R8), were part of the territory known as “Rest of world” or “Región 9”. Being coordinated, at the time, directly by the IEEE headquarters in the United States.
- Before 1966, “Region 9” was used to refer to all the sections that were not in regions 1-8.
- In 1966 the growth of the activities of the IEEE in Latin America made that IEEE officially formed an entity with own structure, not only geographical but also administratively.
- William Andrews of Argentina was appointed as the first Director of the R9 for a period of two years (1966-1967). Mr. Andrews, in collaboration with Francisco Hawley (second Director of R9, 1968-1969), of Mexico, were instrumental in the formation of the Region 9.

# Region 9 Mission

IEEE Region 9's mission is to **provide services** to our **professional and student members** that support the process of creation, development and integration of Engineering, sharing and applying knowledge about technologies and electrical and information sciences, **adapting them to our conditions and needs**, with the aim of promoting the social and economic **development of humanity in the Latin American Region**.



# IEEE Region Objectives

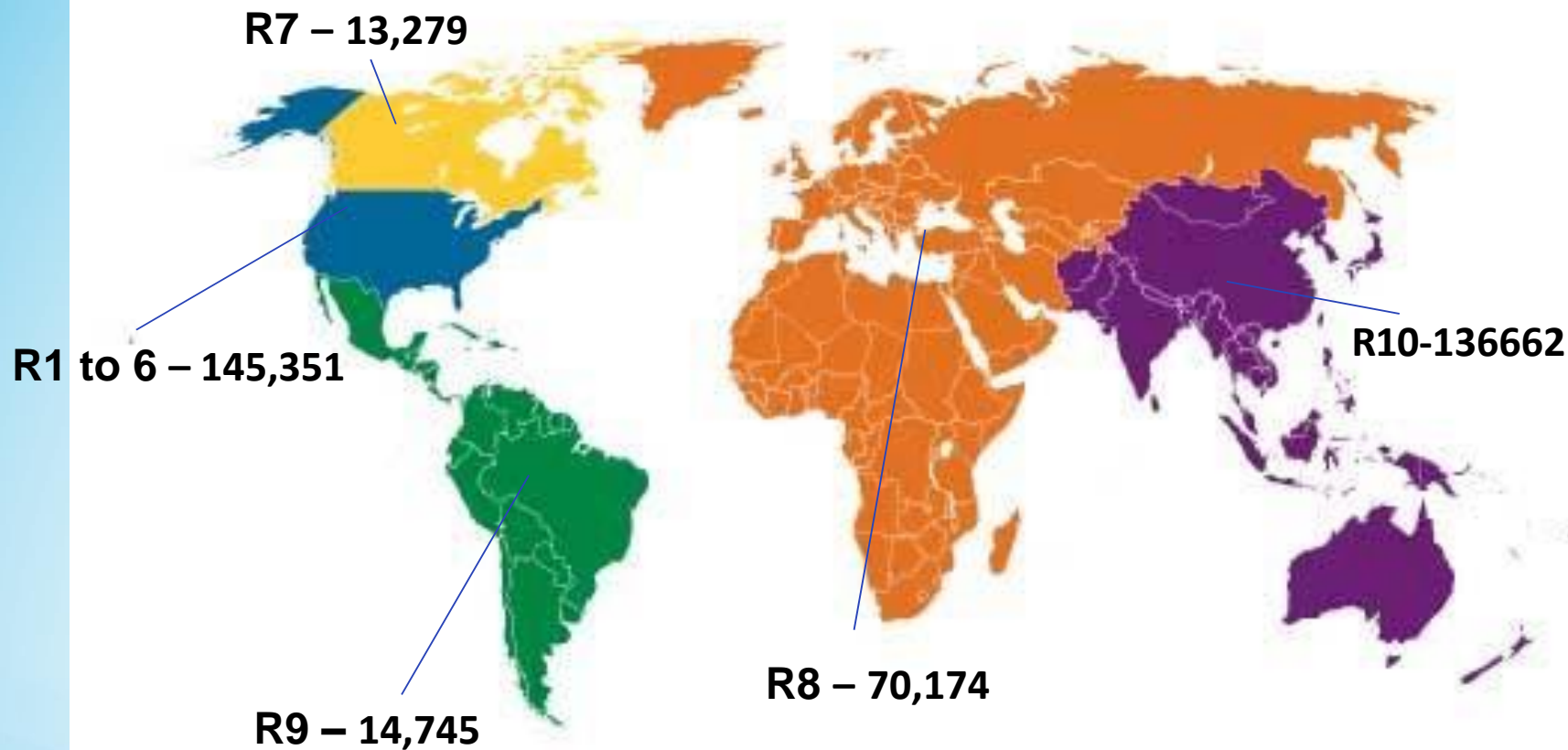
## Towards achieving our mission, the Region:

- **Supports the interests of members**, whose technical and professional objectives match the Region's responsibilities within the IEEE
- **Encourage student activities** and provide general oversight to the operation of Student Branches within the Region.
- **Provides professional recognition** of the achievements of region members through awards, recognitions and nominations for Senior and Fellow distinctions from IEEE.
- **Circulates periodical publications** with articles, news, announcements and other information of interest for the regional membership.
- **Provides training opportunities** for its members through workshops and seminars.
- **Collaborates** with Chapters and Sections in the promotion and implementation of programs for the education of their members.
- **Coordinates membership** development programs.
- **Collaborates with the Councils and Sections** in the holding of **technical congresses**.
- **Promotes members' participation** in technical activities.
- **Promotes technical speakers** visits to different locations within the Region to present conferences for the professional improvement of its members.
- **Promotes the use of electronic communications** as an effective communication media given the conditions of geographical dispersion of our Region membership.

# Regional Statistics

# IEEE Membership (as of August 2022)

## 380,211



# Region 9 Statistics

- Members 14,745
- Sections 36
- Sub-sections 16
- Student members (GSM included) 6,082 (5,171 – 911)
- Young Professionals 3,904
- Student Branches 540
  - Technical Student Chapters 731
  - Student Affinity Groups 159
  - HKN Chapters 3
- Technical Chapters 231
- Affinity Groups 70
  - WIE 25
  - YP 35
  - Life Members 10

# Overall IEEE Membership (Aug 2022)

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%

## REGION 9

Higher Grade	8,663
Graduate Students	911
Undergraduate Student	5,171
Total	14,745





# MGA – Geographic Units (as of 1 June 2022)

Regions	1	2	3	4	5	6	7	8	9	10	Grand Total	
Section	22	20	41	23	27	35	21	59	36	60	<b>343</b>	3
Sub-section	2	2	2	3	4	2	2	11	16	41	<b>85</b>	2
Council	1	0	4	0	0	2	0	1	5	6	<b>19</b>	2
Chapter*	178	105	114	105	114	208	153	629	241	797	<b>2,644</b>	3
Affinity	53	33	51	44	46	59	67	201	494	345	<b>1,060</b>	1
Student Branch	89	86	114	67	100	90	61	719	562	1,733	<b>3,621</b>	3
Student Branch Chapter	61	30	66	50	65	67	51	505	804	1,632	<b>3,331</b>	2
Student Branch Affinity	1	1	4	1			2	67	85	215	<b>376</b>	2
<b>Grand Total</b>	<b>407</b>	<b>277</b>	<b>396</b>	<b>293</b>	<b>356</b>	<b>463</b>	<b>357</b>	<b>2,192</b>	<b>1,909</b>	<b>4,829</b>	<b>11,479</b>	3

\*Joint Chapters of two or more Sections and/or two or more Societies are counted as one Chapter

# **Regional Committees 2022-2023**

# Region 9 Executive Committee 2022-2023

*Region Director*



**Enrique Tejera**

*Past Regional Director*



**Alberto Sánchez**

*Region Director Elect*



**Jenifer Castillo**

*Treasurer*



*Secretary*



# Region 9 Standing Committees 2022-2023 (2/2)

## E-Transactions – EiC



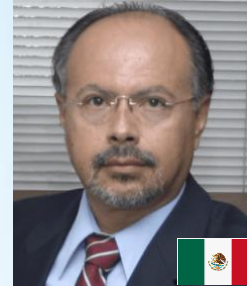
Ilse Cervantes

## Industry Engagement



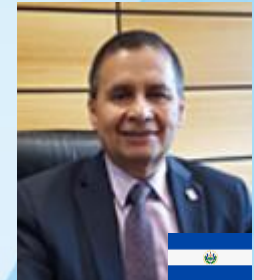
Roxana Saint-Nom

## History



Francisco Martinez

## Life Members



Gustavo Chavez

## Young Professionals



Tania Abrego

## Women in Engineering



Ana Salazar

## Governance



Diana Valadez

## Strategic Planning



Alberto Sanchez

# Region 9 Standing Committees 2022-2023 (1/2)

## Technical Activities



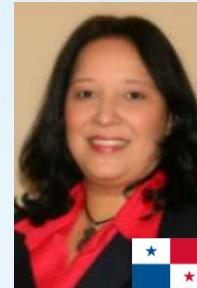
Carlos Lozano

## Membership Development



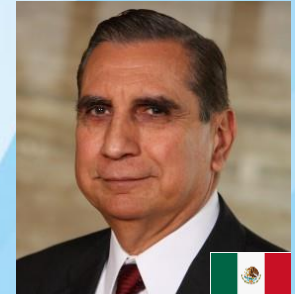
Jenifer Castillo

## Information Management



Tania Quiel

## Awards



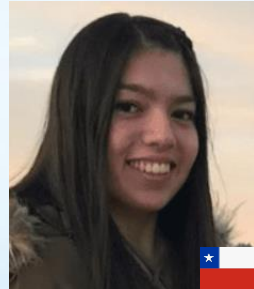
Teofilo Ramos

## NoticIEEEro



Gina Carrillo

## Student Representative



Catalina Pezo

## Student Activities RSAC



Christian Figueroa

## Educational Activities



Diego Benitez



# Region 9 AD-HOC Committees 2022-2023

## Humanitarian Activities



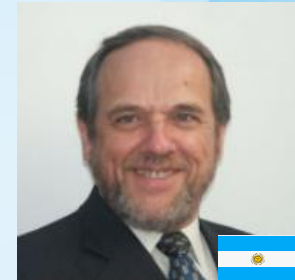
Pia Torres

## Nominations & Appointments



Alberto Sanchez

## Ethics



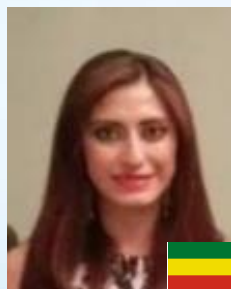
Norberto Lerendegui

## Collabratec



Ruben Barrera

## Sections Vitality



Alejandra Salinas

## Accreditations



Jose Duran

## Finance



Augusto Herrera

## 5 Geographical Councils

### México Council

Founded: : 1977

Sections: México, Monterrey, Morelos, Guadalajara, Guanajuato, Centro Occidente, Aguascalientes, Querétaro, Puebla and Veracruz.

Chair: **Pablo Realpozo**

### Capana Council

Founded: : May 24, 1982

Sections: Costa Rica, El Salvador, Honduras, Guatemala, Nicaragua and Panamá.

Chair: **Juan Carlos Montero**

### Andean Council

Founded: June 23, 2001

Sections: Bolivia, Colombia, Colombia Caribe, Ecuador, Perú and Venezuela.

Chair: **Julio Barzola-Monteses**

### Cono Sur Council

Founded: 1977

Sections: Argentina, Paraguay, Chile, Chile Sur and Uruguay.

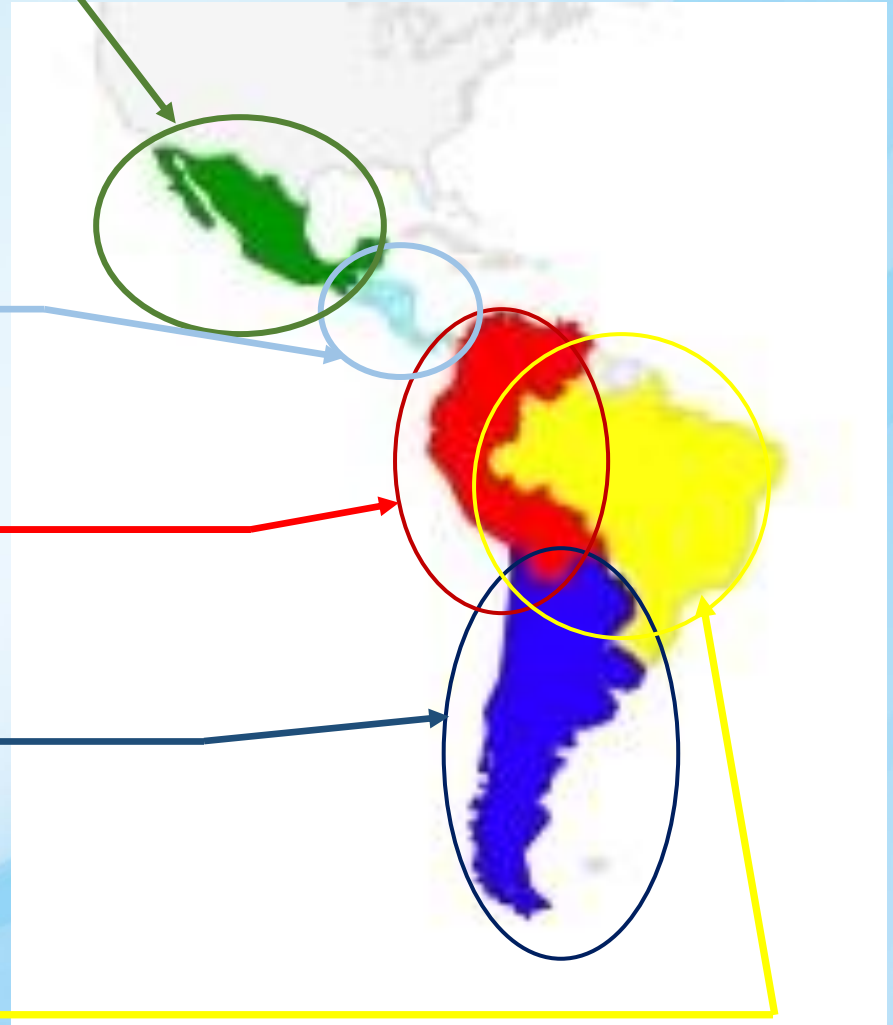
Chair: **Gustavo Juárez**

### Brazil Council

Founded: March 23, 1970

Sections: Bahia, Centro-Norte, Minas Gerais, Rio de Janeiro and South Brasil.

Chair: **Mario Ogava**



# Goals 2022-2023

Goals for this period will be focused on the following aspects:

- Community
- Membership
- Public Relations
- Growth
- Strategies
- Volunteers

# GOALS 2020-2023

## Community



- Bring to the community what IEEE offers as a global organization.
- Through our sections we can bring the IEEE valuable information, knowledge and innovation to the society.
- This contact must be done at the lowest level where our OU's will connect with the local technical communities.
- Here we expect to see Sections, Student Branches, Chapters and Affinity groups involved in all activities
- The more connection we can have with the local communities that will increase member participation.

# GOALS 2020-2023

## Membership



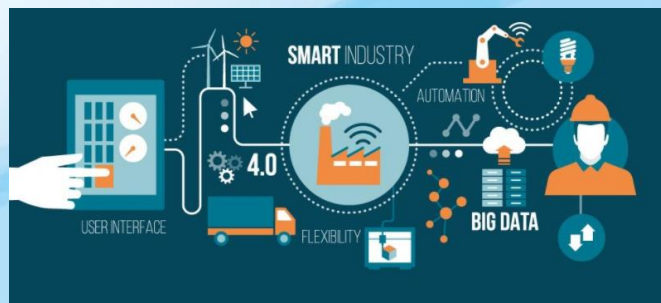
- As the most important element in IEEE, we need to work on Membership issues which include satisfaction, retention and growth.
- Without members IEEE would not exist so, special attention must always be focused on membership issues.
- It is required then to establish strategies to maintain our members active and satisfied, to gain new members where there is potential to grow and to take advantage of all IEEE benefits to achieve these goals.
- In order to maintain a constant growth and satisfaction in our membership, it is necessary to connect with them and offer attractive activities that will work on the retention and in the recruitment of new members.
- Region 9 has a huge potential to grow in membership. Efforts will be focused to improve present conditions by providing tangible benefits to the members and community in general.



# GOALS 2020-2023

## Public Relations

- Nowadays the communication is getting more and more important for the development of any activity, and IEEE is not excluded from that.
- We plan to establish cooperative relations with local entities Academia/Industry/ Private/Government.
- Everyone involve in technology advancements should be related with IEEE and use IEEE as one of their main sources of knowledge and information.
- The generation of mutual agreements, conferences and other activities where we can involve those sectors will be in our objectives



# GOALS 2020-2023

## Growth



- We consider that we have a great potential for growth in our Region with the creation of new Sections, Subsections, Chapters, and other OUs.
- Growth in our areas will eventually lead to growth in membership and satisfaction of our members.
- We plan to consolidate our Region as one with constant growth providing the solid basis of support.
- Revise Region ways of doing things, re-invent and innovate ourselves by improving our operations in many ways as possible, communication, financial and cooperative between geographical units.

# GOALS 2020-2023

## Strategies



We need to establish strategies to achieve all our goals in a sustainable way.

These are difficult times, and we need to explore all possibilities and provide the basis for continuity in our Region with programs that can be extended for future generations.

In order to get the most IEEE can offer, Region 9 strategies and plans should be aligned to those established at the IEEE major boards taking advantage of new and existing benefits for our members.

What we would like to achieve is setting long term goals for our regions and provide continuity to programs, initiatives and activities.

# GOALS 2020-2023

## Volunteers



### **Regional Committee – Affinity Groups – AD HOC**

Volunteers in Region 9 is one of our strongest asset that we will continue supporting, providing opportunities to growth generating the pipeline of new volunteers who will continue with the region objectives and goals.

One of the major achievements we had in the past two years was the conformation of committees with not only one volunteer but a team of volunteers. We will give continuity to this initiative and have it as a good practice within the region.

All these goals will be achieved by conforming a Regional Committee where we will have committed, and experienced volunteers willing to serve and give the best for our Region and IEEE.

WIE, YP and LM consist of special groups which can provide many benefits for the Membership. During the past years, the activities of these groups have been remarkable, and Region 9 will continue supporting those activities.

HAC, Industry Engagement, Section Vitality and Governance within the region will have special attention and support.

# GOALS 2020-2023

## Volunteers

### STUDENT BRANCHES

Here is where everything starts

The Student Branch is the main point of connection and recruitment not only for new members but also volunteers.

One common thing we all have is that at one time we all were students.

The principal mission of the Student Branches is to plant the seed to make those new members to know IEEE and stay as members, showing them all advantages IEEE can offer.

I encourage all Student Branches to take advantage of all the offers, opportunities and resources IEEE offers for you to make your branches great and complement your carriers.





# Highlights 2022

# Regional Meeting – Mexico City



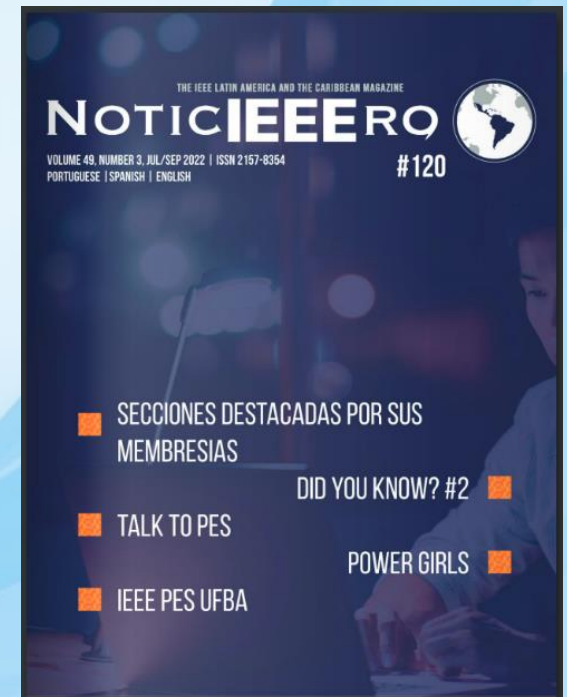
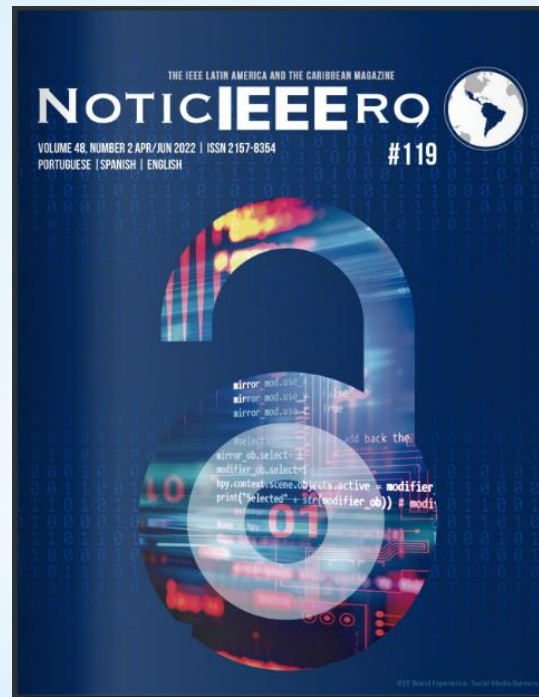
## Mexico Section 100° Anniversary



# New OU's

- Sections: Dominican Republic Section (#36)
- Student Branches: 8
- Profesional Technical Chapters : 4
- Student Technical Chapters: 44
- Student WIE Affinity Groups: 5
- Profesional Affinity Groups: 2
  - LM Puerto Rico and Caribbean Section
  - LM Monterrey Section

# NoticIEEEro



# Latam Transactions

- Monthly edited Journal
- Articles in three main areas: Computing, (Electric) Energy and Electronics.
- Edited in English, Spanish and Portuguese
- 2021 JCR Impact Factor 0.967
- Usage 2022 – Increase
- Downloads – Increase
- Cites – Increase
- Cites per article - increase
- Submission-to-Decision Times – more efficient

**The Journal is now self-sustainable!**



# • **Agreements with other organizations**

- International Humanitarian Technologies Conference  
MOU between Regions 7 , 8 and 9  
2023 the event will be in Region 9  
HAC and TAC Responsible for the organization
- MOU with ISOC - Internet Society
- Technical Sponsorship with Eighth International Conference on eDemocracy & eGovernment (ICEDEG)
- MOU with the Conferencia Latinoamericana de Informática (CLEI)

# • Affinity Groups

## WIE

- Region 9 Supported the WIE pledge
- WIE ILS Puerto Rico

## Young Professionals

- LIFE Lessons for Young Professionals – With Life member AG
- Reading Club Sessions
- Meeting with YP Section Coordinators

## Life Members

- Reactivation of the group
- New AGs formed in 2022
- Support to YP Activities

# • Activities

- Conference Leadership Virtual Workshop – MCE & TA Committees
- The IEC and YP Ambassadors Program v2.0
- Completion of SIGHT Project in Venezuela
- Webinar Procedures for the IEEE Election Process. SV Committee
- Accreditation webinars. Accreditation AdHOc Committee
- Activities from Life Member Committee.
- Membership Development activities

# OpCom Meeting – Buenos Aires, Argentina

## September 2022





# • Activities in Mexico Sections

Celebración del Centenario de la Fundación del IEEE Sección México

**Congreso Conmemorativo**  
"Evolución a Nuevos Sistemas de Transmisión de Alta Confiabilidad"

IEEE Region 9



**CFE**  
Comisión Federal de Electricidad

Auditorio de Biblioteca del Tecnológico de Monterrey  
Av. Eugenio Garza Sada 2501 Sur, Col. Tecnológico, Monterrey, N.L.

Víernes 30 de Septiembre 2022 - 09:00 a 15:00 hrs.

**LIVE** [www.facebook.com/IEEESeccionMexico](http://www.facebook.com/IEEESeccionMexico)

CDMX - 09:00 hrs. (GMT-6), Panamá 09:00 hrs. (GMT-5), Argentina 11:00 hrs. (GMT-3)

Celebración del Centenario de la Fundación del IEEE Sección México

1922 2022

**IEEE Sección México**  
100 Años de Contribuciones a México

Hoy el IEEE Sección México confirma su identificación con los valores de la ingeniería al servicio de la humanidad, para impulsar con innovación y competitividad el desarrollo tecnológico, capital humano y fortalecimiento de las empresas, que propicien una mejor calidad de vida a la sociedad.

Con estos ideales el IEEE Sección México continúa siendo un referente de la Ingeniería en el Siglo XXI.

**Tecnología Avanzada para la Humanidad**

29 de Junio 2022

[www.ieee.org.mx](http://www.ieee.org.mx)

IEEE Sección México

Celebración del Centenario de la Fundación del IEEE Sección México

**Ciclo de Conferencias Virtuales**  
**Ponentes Distinguidos**

IEEE Region 9

**Conferencia Internacional**  
"Disrupción Tecnológica en Energía y su Impacto en el Sector Eléctrico"

Ing. Jorge Guillermo Musalem Rubén  
Gerente de Promoción Estratégica

Jueves 23 de Junio 2022

CDMX - 17:00 hrs. (GMT-6), Panamá 17:00 hrs. (GMT-5), Argentina 19:00 hrs. (GMT-3)

Transmisión via Facebook Live  
[www.facebook.com/IEEESeccionMexico](http://www.facebook.com/IEEESeccionMexico)

**LIVE**

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+52 55 5395 1333

**IEEE**  
Advancing Technology  
Advancing Humanity

Instituto de Ingenieros en Electricidad y Electrónica

Celebración del Centenario de la Fundación del IEEE Sección México

**Congreso Conmemorativo**  
"Innovación Tecnológica para la Conectividad Universal y la Seguridad Informática"


IEEE Region 9



Celebración del Centenario de la Fundación del IEEE Sección México

**Encuentro Continental de Centros de Control de Energía y Operadores del Mercado Eléctrico**

"Hacia la Evolución y el Desarrollo del Control de la Energía en los Sistemas Eléctricos del Futuro"



2 y 3 de Agosto 2022

**RVP-AI/ROC&C '2022**

Tels: + 52 55 5395 2222  
+ 52 55 5395 2247  
+ 52 55 5395 1333

[mexico.section@ieee.org.mx](http://mexico.section@ieee.org.mx)

Instituto de Ingenieros en Electricidad y Electrónica

Celebración de los 100 Años de la Fundación IEEE 1922 - 2022

**CONGRESO ESTUDIANTES IEEE**

Hotel Mundo Imperial Riviera Diamante, Acapulco Gro.  
2 y 3 de agosto 2022.

**PRESENTACIÓN PONENCIAS ESTUDIANTES**  
Trabaja tus técnicas en formato IEEE

**MURO DE PARTICIPACIÓN**  
Logro de Decadas y Universidades de Ingeniería

**CÁPSULA DEL TIEMPO**  
La vida de estudiantes hasta el 2040

**MODELOS Y PROTOTIPOS**  
Proyectos innovadores de las Ramas Estudiantiles

3958 Estudiantes de Ingeniería

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Instituto de Ingenieros en Electricidad y Electrónica

Celebración del Centenario de la Fundación del IEEE Sección México

**Ciclo de Conferencias Virtuales**  
**Ponentes Distinguidos**

IEEE Region 9

**Conferencia Magistral**  
"Asegurando el Futuro de la Ingeniería a través de la Juventud de Las Américas"

Dr. Jorge Alberto Vanegas Pabón  
Presidente Academia Panamericana de Ingeniería 2022  
Director of the Institute for Sustainable Communities

Jueves 24 de Febrero 2022

CDMX - 17:00 hrs. (GMT-6), Panamá 17:00 hrs. (GMT-5), Argentina 20:00 hrs. (GMT-3)

Transmisión via Facebook Live  
[www.facebook.com/IEEESeccionMexico](http://www.facebook.com/IEEESeccionMexico)

**LIVE**

[medico.section@ieee.org.mx](mailto:medico.section@ieee.org.mx)

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**IEEE**  
Advancing Technology  
Advancing Humanity

Instituto de Ingenieros en Electricidad y Electrónica

PROGRAMA DE CELEBRACIÓN DEL CENTENARIO

**Programa de Reconocimiento a La Mujer en Ingeniería 2022**

IEEE Region 9



Martes 8 de Marzo 2022

CDMX - 17:00 hrs. (GMT-6), Panamá 18:00 hrs. (GMT-5), Argentina 20:00 hrs. (GMT-3)

**IEEE**  
100th Anniversary

**REGIONAL MEETING**  
Celebrating 100 years  
Advancing Technology for the Benefit of Humanity

9 a 12 de marzo 2022

**Celebración del Centenario IEEE SECCIÓN MÉXICO**

*Bienvenidos Welcome Bem-vindo*

# 100° Anniversary





