



Overview of Region 10

IEEE Region 8 Meeting
Cairo, 15-16 October 2022

Deepak Mathur
IEEE Region 10 Director



Agenda

- Introduction
- Region 10 (History, Countries, Sections, Conferences, EXCOM)
- Region 10 Thrust Areas
- Initiatives
- The Team



Professional Experience

- 37-years of professional experience in technology projects and **managing multidisciplinary teams**.
- Former **Chief General Manager** of India's premier public sector oil and gas company.
- **Major Projects** (Planned and Executed) :
 - IT infrastructure projects
 - SCADA
 - On-line/real-time monitoring systems
 - Wi-Max based broadband wireless access system,
 - GPS/GSM based vehicle tracking system
 - Hi-Tech (Oil) Well Logging Systems to explore the possibility of hydrocarbons in the subsurface.
- **Member of academic council** of Marwadi University



My Volunteering with IEEE



EXCOM Member; Secretary; Vice-Chair and Treasurer
Chair (2006–2007); SMC Chapter Chair; Advisory Committee



EXCOM Member; Chair-Elect; **Chair (2015–2016)**
Nomination Committee Chair; Advisory Committee



Sections Congress Coordinator; Chapters Coordinator; Vice-Chair Technical Activities; Humanitarian Technology Activities Coordinator; Vice-Chair Membership Activities; Director-Elect 2019–2020; **Director 2021–2022**



Member **MGA SDEA (SP) Committee**; Member **MGA N&A Committee**; Chair **SIGHT Operations Subcommittee**; Member **IEEE Audit Committee**; Member **MGA Finance Committee**; BoD Coordinator IEEE HAC; Member MGA/SA/TAB Ad-hoc Committee on Sustainable Development; Member 2021 IEEE Ad Hoc Committee on MOVE International Disaster Relief; Chair, MGA Surplus Ad Hoc Committee. 2022 Ad Hoc: IEEE in 2050; IEEE Your Professional Home; Climate Change; Humanitarian Efforts



Newsletter Editor
Board of Governors





Region 10

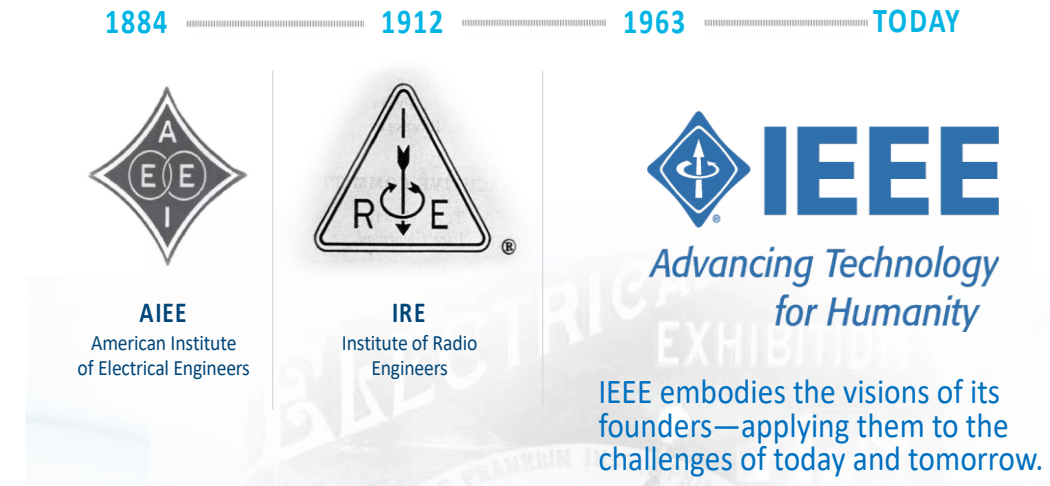
The Asia-Pacific Region

IEEE Region 10 : History



- AIEE(1884) and IRE(1912) merged to IEEE in 1963
- IRE had 7 Regions in USA., Region 8 was Canada, and Region 9 covers other countries.
- **In Jan 1963**, the number of Regions in USA was reduced to 6; Canada became Region 7. New Region 8 was formed comprising Europe, Middle East and North Africa. **The rest of the world was Region 9 till 1966.**
- **In 1967**, Region 9 was limited to South America and the “**rest of the world**” became **Region 10.**
- **In 1981**, Southern Africa was transferred from Region 10 to Region 8.
- Region 10 was described as **Asia-Pacific Region in 1981**

The Founding of IEEE





Updated by Ewell Tan, as of July 2021

Region 10: OU Summary



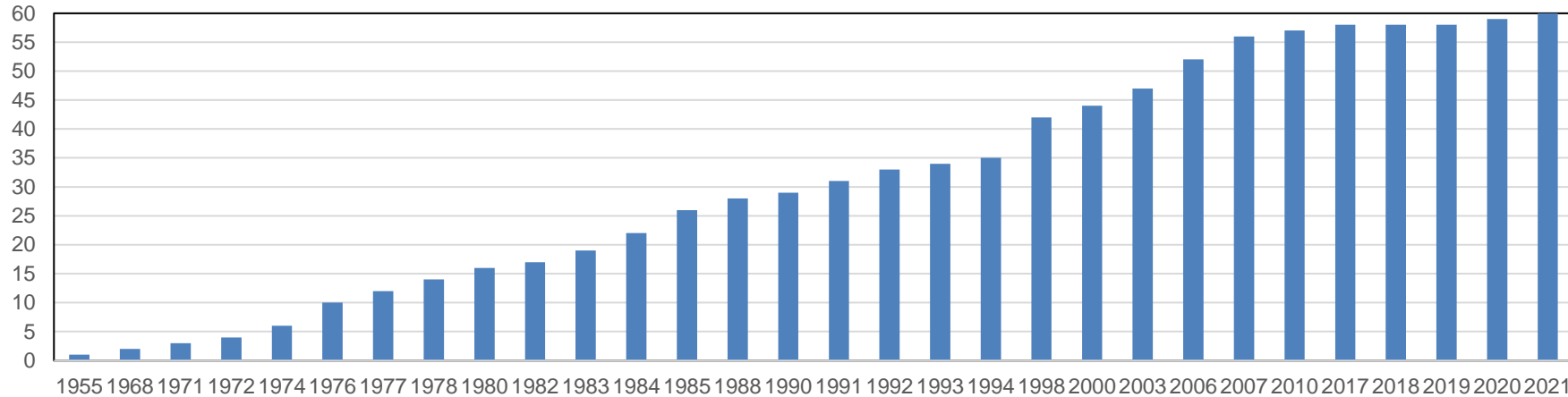
- **60** Sections; **6** Councils
- **42** Subsections (**33** under Section; **9** Under Region)
- Subsections under R10: (Afghanistan, Bhutan, Brunei Darussalam, Cambodia, Fiji, Laos, Mongolia, Myanmar, Nepal)
- **779** Chapters ; **118** Affinity Groups
- **44** YP Affinity groups
- **49** WIE Section Affinity groups
- **5** Consultant Network Affinity Groups
- **23** LM Affinity Groups
- **1709** SB; **493** SB Affinity Groups; **1524** SB Chapters
- **43** Milestones (**Tokyo, Nagoya, Pune and Kolkata**)
- **2055 Senior Member elevation** in 2021 (goal was 1500)
- **Anniversary Banner: New South Wales Section (50th anniversary)**



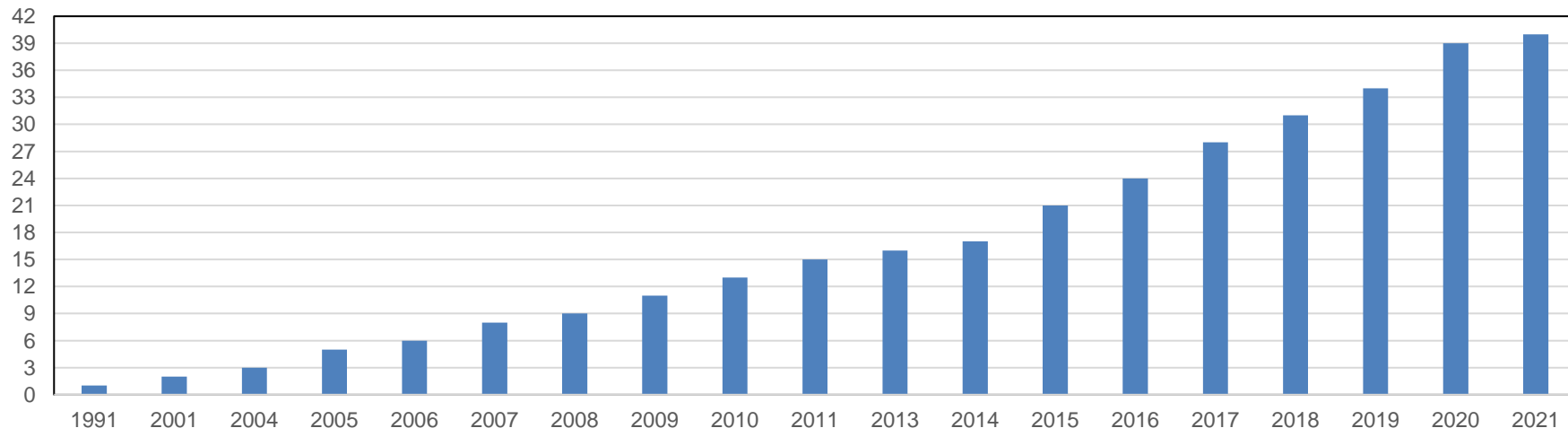
Growing Sections-Subsections



R10 Section Formation



R10 Subsection Formation



- **We continue to grow**
- **We are largest, fast-growing, diverse Region of IEEE**

Growing Membership (Jan 2022)



Region 10 membership

Higher Grade (w/o GSM)	+3.3%	80958
Graduate Student	+11.3%	25608
Undergraduate Students	+33.8%	51829
Total	+13%	158935

YP membership

Region 10	+12.5%	49111
IEEE	+3.7%	111976

WIE membership

Region 10	+48.2%	24263
IEEE	+33.7%	37618

Region 10 Membership Retention

Higher Grade (w/o GSM)	56.1%	68.8%
Graduate Student	30.6%	39.2%
Undergraduate Students	17.9%	19%
Total	42.7%	58.7%

Region 10 continues to be the **greatest benefactor** of the FUTURE50 Student discount initiative program (**60% of worldwide usage**). At the country level, India is highest in numbers.



Sections with outstanding growth (31 January 2022)

Membership by Section	
Section	Members
Kerala Section	14,903
Beijing Section	13,506
Bangalore Section	11,162
Madras Section	8,091
Tokyo Section	7,618
Hyderabad Section	7,012
Nanjing Section	6,147
Delhi Section	5,750
Hong Kong Section	5,494
Bangladesh Section	4,216
Uttar Pradesh Section	4,177
Kolkata Section	3,959
Guangzhou Section	3,843
Bombay Section	3,750
Seoul Section	3,638

Membership by Section	
Section	Members
Malaysia Section	3,415
Sri Lanka Section	3,401
Shanghai Section	3,361
Xian Section	3,027
Indonesia Section	2,905
Taipei Section	2,793
Chengdu Section	2,684
NSW Section	2,618
Singapore Section	2,428
Kansai Section	2,159
Victorian Section	2,000
Pune Section	1,825
Harbin Section	1,733
Vizag Bay Section	1,583
Wuhan Section	1,544

2022 Region 10 Flagship Events

- 2021 TENCON (Auckland, New Zealand, Dec 2021 – Online)
2022 TENCON (Hong Kong, 1-4 Nov 2022)
2023 TENCON (Thailand Section)
- 2021 TENSYPMP (Jeju, Korea : Aug 2021 – Hybrid)
2022 TENSYPMP (Mumbai, India : 1-3 July 2022)
2023 TENSYPMP (Australian Capital Territory Section)
- 2021 Region 10 Humanitarian Technology Conference (HTC)
(Bangalore, India : Sep 2021 – Hybrid)
2022 R10 HTC(Hyderabad, India : 16-18 Sep 2022)
2023 R10 HTC (Gujarat Section)
- **Region 10 SYWL Congress**
(Jeju, Korea: 11-14 August 2022)

**Conferences in Region10:
929/1899
China: 367, India: 149,
Indonesia 89**



In 2021



Region 10 SYWLC



Sound and Young influences for
World Leading IEEE

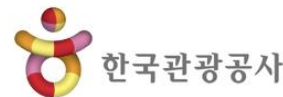
- **Keynotes & Plenary Sessions:** Technical, Volunteer and Professional
- **Tracks:** Students, Young Professionals, Women in Engineering, Life Members, Industry, Humanitarian Technology
- **Team Bonding Activities:** IT Company Visits and Sightseeing
- **Cultural Activities:** Cultural Exhibition and Cultural Night
- **Volunteer Recognition:** Awards Night, BG Park Contest, Ideathon with R10 YP, Solve with R10 YP – Puzzle Challenge



Committee



SAMSUNG





R10 EXCOM Meeting



2021–2022 Region 10 Thrust Areas



- **Membership Activities:** Member Retention and Continuation of Students to Young Professionals
- **Technical Activities:** Section–Chapter Collaborative Programs, Conference Quality and Industry Engagements
- **Professional Activities:** Entrepreneurship and Career Advancement Programs



Philosophy: *Member Value Creation – Let our programs create value to address member recruitment and member retention.*

Region 10 New Initiatives

Innovative Robots Development for Healthcare and Humanitarian Applications



Robotics for Healthcare

IEEE **IEEE Region 10**

INNOVATION & FUNDING



MR. MURALI BUKKAPATNAM
CHAIRMAN & CEO OF VOLKSY TECHNOLOGIES

DATE & TIME REGISTER@

IEEE Region 10 **IEEE ComSoc** **IEEE Region 10**

Telstra's journey to 5G and what's next



Simon Lumb
Telstra Corporation Ltd.
Melbourne
VIC, Australia
February 19, 2022 | SATURDAY |
3.30 PM IST or (GMT+5.30)

SPEAKER BIO

Simon Lumb received the B.Eng. degree in computer systems engineering and the B.App.Sci. degree in computer science from RMIT University, Australia. He has 15 years' international wireless telecommunications experience working on 3G, 4G, and 5G technologies in operations, network design and configuration, and research and development. He is currently a Strategic Technology Expert with Telstra and represents the company on the O-RAN Alliance Technical Steering Committee alongside developing Telstra's future wireless technology strategy.

ABSTRACT

The talk covers the journey of building Australia's largest 5G network, from early testing to a nationwide deployment. It will touch upon what technology Telstra has deployed, what it can deliver for customers today and what technologies they are working on to deploy in the future.

10Talk **IEEE Region 10**

ABSTRACT

The Guest Speaker Murali Bukkapatnam talks on the importance of empowering the post-COVID-19 innovation ecosystem with regards to the lesson learned in COVID-19 pandemic focusing on accelerating a self-reliant economy. COVID-19 touched and marked every sector of the world's economy with its maleficence, but innovations came forward as this is the innovation community ecosystem are endowed with lack of full acceleration important.

SPEAKER

Murali Bukkapatnam is a development provider, and as Vice President, Mr. Bukkapatnam is the founder, India and Southeast Asia community university.

10Talk **IEEE Region 10**

Quantum encryption - Overview, use cases and adoption



Ms. Saritha N. Auti
Cyber Security Practitioner

Register @ 

June 12, 2021 | SATURDAY | 4.00 pm (GMT+5.30 or IST)

SPEAKER BIO

Saritha N. Auti is currently working as Global CISO, UD Trucks and Executive Board member of Palo Alto Networks. She also worked with the Government of India to devise NCIIPC guidelines, represented India in ISO study groups, worked with ISACA, DSCI, and worked with Tel Aviv University's incubation center to evaluate the cyber security innovations. She has performed various roles as a Cyber security business leader, the Corporate information security officer and Cyber Security Program Architect for the business transformation programs. She has set up Enterprise and Industrial security operations, introduced automation in the security operations and incident response, set up Cyber security architecture centers of excellence. Saritha also worked extensively in the Telecom sector for OSS security, Secure CRM and Subscription management, and secure customer registration journey, Oil & Gas sector to create security solutions for OT transformation, consolidation of security deployments across various Plants, supply chain security, Retail sector for omni channel security, customer identity management, secure subscription management, warehouse management, distribution management, Developing Cyber security of core banking systems, retail banking and setup security operations, insourcing of security programs and Defense sector for logistics and warehouse security, automation of secure testing of components, entity analytics.

She is the Co patent owner of threat intelligence solution (with Infosys). Apart from Cyber security she engages in enabling the lesser privileged children with education, trekking, photography and chess.

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Professional Activities Committee **IEEE R10** **IEEE Region 10** **IEEE Region 10**

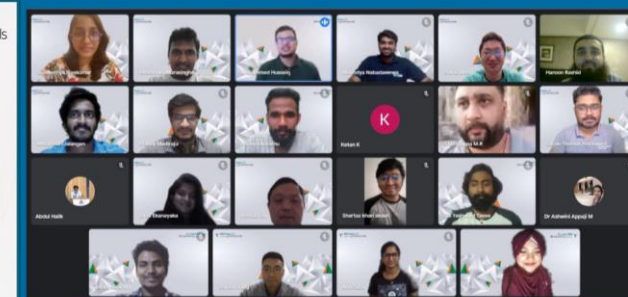
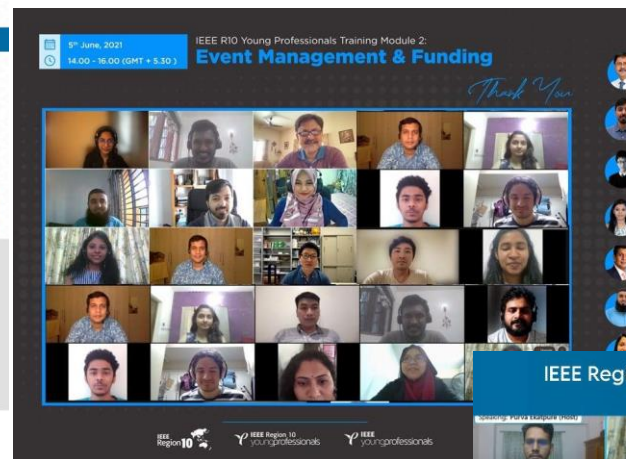
Student Activities Committee **IEEE Region 10** **IEEE Region 10** **IEEE Region 10**

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Professional Activities Committee **IEEE R10** **IEEE Region 10** **IEEE Region 10**

Student Activities Committee **IEEE Region 10** **IEEE Region 10** **IEEE Region 10**

Region 10 Young Professionals



2022 IEEE Region 10 Young Professionals Committee Meeting #1

f i /ieeer10yp



IEEE Region 10 youngprofessionals f i /ieeer10yp i /ieeer10yp www.linkedin.com/company/7132272



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— for —
Brighter Future



Region 10

Student Activities



FUNDING

- Successfully initiated new funding scheme, SSBR with grants to 24 projects by 14 Sections.
- MDLT - Awarded funding for 13 projects
- COVID 19 - Awarded funding for 4 projects.

CONTESTS

- Successfully conducted two contests.
- Currently under review.



TRAINING & WEBINAR

- IEEE Volunteering Tools and Annual Reporting Guidelines
- IEEE R10 SAC Competition Forum
- Collaboration with R10 Talk
- SYWL Student track with 8 invited talks



AWARDS

- The evaluation for bot R10 SAC and MGA awards are complete.
- Results are to be released.



OUTREACH

- Initiated the regular SSR - R10 SAC meeting
- Provided an open form to submit the queries that sections are having

IEEE Region 10 Student Activities Committee Presents

IEEE Region 10 SAC Competition Forum 2022

15 March 2022
8.00 PM (SGT)

REGISTRATION LINK
bit.ly/R10SACawards2022

Special guest: DR. DEEPA K. SATHYANARAYANA, IEEE Region 10 SAC President

Awards: R10 SAC, MGA

Funding: MDLT, COVID 19

Contests: Undergraduate Project Video Contest

IEEE Region 10 Student Activities Committee

Call for

NOMINATIONS

21st March 2022

IEEE REGION 10 SAC OUTSTANDING VOLUNTEER AWARD

IEEE REGION 10 OUTSTANDING STUDENT BRANCH AWARD

Deadline: 20th May 2022

IEEE Region 10 Student Activities Committee Presents

IEEE Volunteering Tools and Annual Reporting Guidelines

29 January 2022
2.00 PM (SGT)

REGISTRATION LINK
bit.ly/IEEE10SACWEBINAR-1

Speakers: PROF. SHANTANU DELA CRUZ, PROF. SHANTANU DELA CRUZ, DR. DEEPA K. SATHYANARAYANA

Moderators: DR. DEEPA K. SATHYANARAYANA, DR. DEEPA K. SATHYANARAYANA

IEEE Region 10 Student Activities Committee

IEEE Region 10 Student Activities Committee

CALL FOR IEEE R10 UNDERGRADUATE PROJECT VIDEO CONTEST

BEST THREE WILL BE AWARDED WITH CASH PRIZES AND E-CERTIFICATES

GET READY WITH YOUR VIDEO!

2022

IEEE Region 10 Student Activities Committee

Section Student Branch Revival Fund

IEEE Region 10 SSBR

IEEE R10 2022 SPECIAL CALL FOR PROPOSALS RELATED TO COVID'19

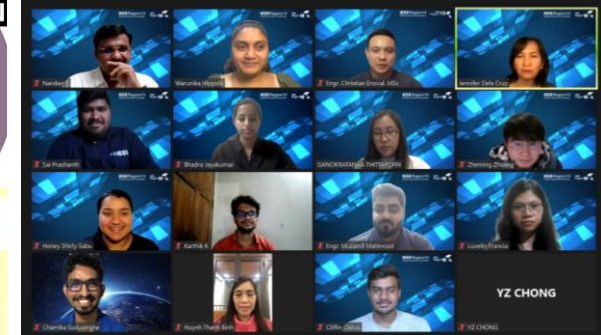
IEEE R10 STUDENT BRANCH MEMBERSHIP DEVELOPMENT AND LEADERSHIP TRAINING FUND 2022

CALL FOR PROPOSALS: 01 APRIL 2022

DEADLINE FOR SUBMISSION: 15 MAY 2022

SUBMISSION LINK
[HTTPS://EVENTS.IEEEIO.ORG/](https://events.ieeeio.org/)

FUNDING PROPOSALS



Region 10 Women in Engineering



20,110 WIE members
5 Projects in 2022 with 11
subcommittee members



1. WIE Engagement



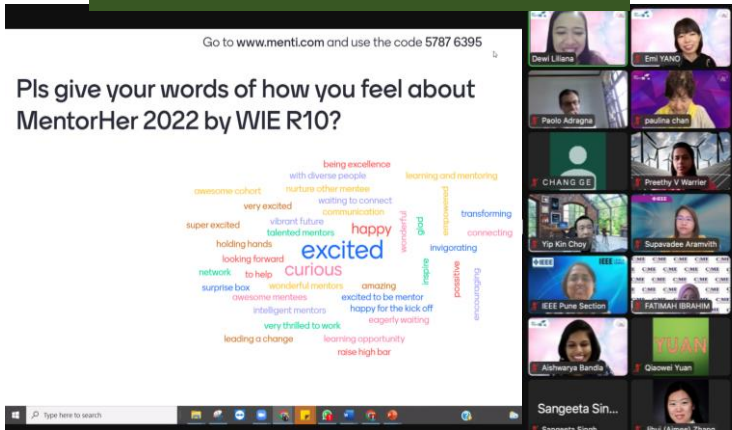
2. WIE Support Fund



3. R10 WIE Award



4. MentorHer (Mentor-Mentee Program)



5. We as WIE (Webinar Series)



Diversity of IEEE Region 10

IEEE Region 10 has a its own diversity, giving equal opportunity for all communities to play an important role.



- ▶ 150000+ members from different countries, speaking different languages.
- ▶ Members of categories; Student, Young Professionals, WIE, Fellow, Associate, Senior, Life from different countries, councils and sections.



Region 10

Countries & Languages



1. Afghanistan (**Pashto**): 1 Subsection
2. Australia (**English**): 7 Sections
3. Bangladesh (**Bangla**): 1 Section
4. Bhutan (**Bhutanese**): 1 Subsection
5. Brunei Darussalam (**Malay**): 1 Subsection
6. Cambodia (**Khmer**): 1 Subsection
7. China (**Chinese**): 8 Sections
8. Fiji (**Fijian**): 1 Subsection
9. India (**22 official languages**): 13 Sections
10. Indonesia (**Bahasa**): 1 Section
11. Japan (**Japanese**): 9 Sections
12. Korea (**Korean**): 5 Sections
13. Laos (**Lao**): 1 Subsection
14. Malaysia (**Bahasa Melayu**): 1 Section
15. Mongolia (**Khalkha Mongol**): 1 Subsection
16. Myanmar (**Burmese**): 1 Subsection
17. Nepal (**Nepali**): 1 Subsection
18. New Zealand (**English**): 3 Sections
19. Pakistan (**Urdu**): 3 Sections
20. Philippines (**Filipino**): 1 Section
21. Singapore (**Chinese, Malay, Tamil**): 1 Section
22. Sri Lanka (**Sinhala**): 1 Section
23. Thailand (**Thai**): 1 Section
24. Vietnam (**Vietnamese**): 1 Section

Region 10: Subcommittee members 2021-2022



**Engaging more
volunteers in
Region 10
Committee**

Diverse group

**Developing
them future
leaders**

Region 10 Team



Ewell Tan
Staff Support

IEEE Eric Herz Outstanding
Staff Member

Region 10: EXCOM 2021-2022



Looking forward to
working with all of you to
further

IEEE Mission and Vision

Thank you