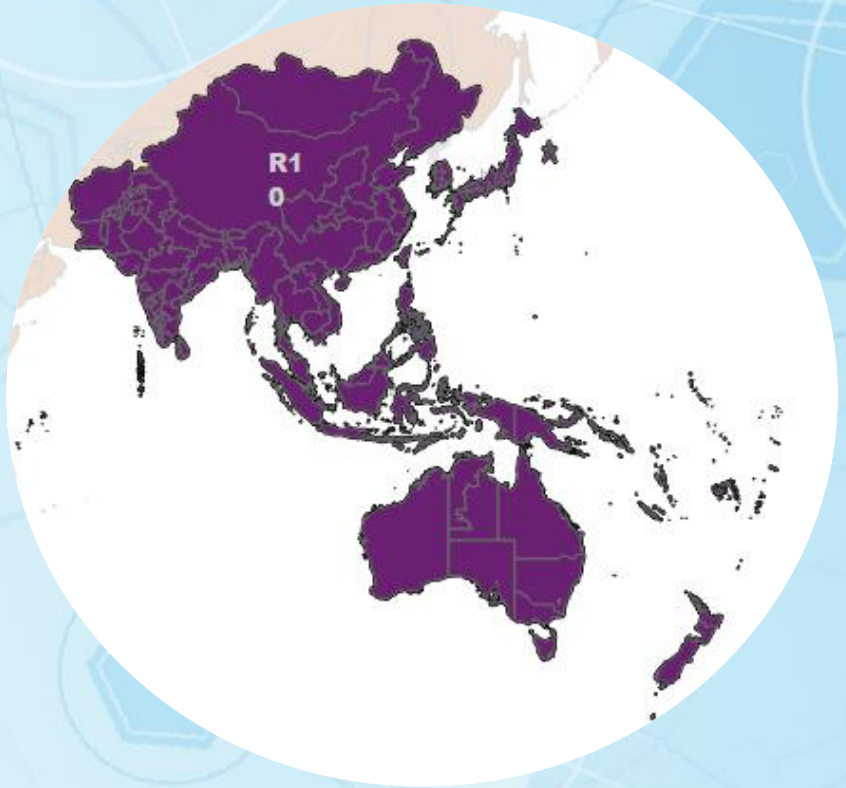


IEEE R3 Meeting
23rd March, 2024, Atlanta, US

Chun Che Lance Fung
IEEE R10 Director 2023-2024

IEEE 140 1884 - 2024 YEARS

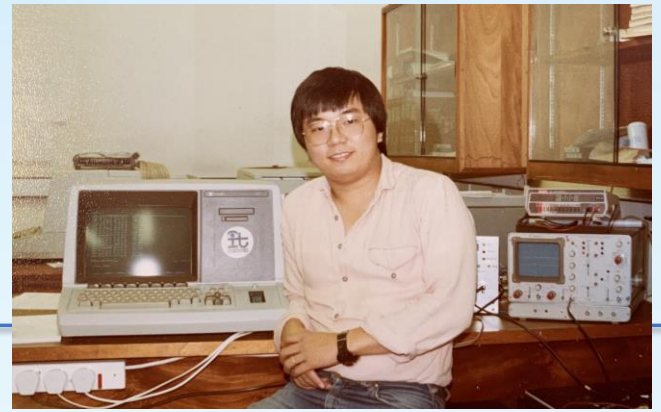
IEEE
Advancing Technology for Humanity

The Indo-China S.N. Co., Ltd.

JAPAN
HONG KONG
AUSTRALIA
TASMANIA
NEW ZEALAND

JARDINE, MATHESON & CO., LTD.

JARDINE HOUSE, HONGKONG TEL: 35911
575A NATHAN ROAD, KOWLOON TEL: 53005/6



UWIST

SP Singapore Polytechnic

Curtin University

THE UNIVERSITY OF WESTERN AUSTRALIA

MURDOCH UNIVERSITY
PERTH, WESTERN AUSTRALIA

IEEE Services 2024

Director: R10; **Chair**: Audit Committee; **Member**: Tellers Committee, R10 N&A Committee, Conference Nomination, Appointments and Recommendations Committee (CNARC), Ad Hoc Committee on Technology for a Sustainable Climate (CTSC), Region Realignment AdHoc Committee (RRAH), SMCS Membership and Student Activities Committee (MSAC).

COMMITTEES/BOARDS:

- New Initiative Committee: Chair (2019), Chair-Elect (2018), Member (2014-17)
- Strategy and Alignment Committee: Member (2019)
- Conference Quality Committee: Chair (2018), Member (2015-17, 2019)
- Technical Program and Integrity Committee: Chair (2017-18), Member (2015-16)
- EAB Section Education Outreach Committee: Member, (2019)
- Humanitarian Activities Committee: Liaison, (2019)
- Conference Finance Committee: Member (2018-2019)
- Conference Branding Ad-Hoc: Member, (2017)
- Conference Quality Policies Ad Hoc: Member, (2017)
- Global Strategy Ad-hoc Committee: Member, (2015)
- Signature Programs Evaluation Committee: Member, (2015)
- Member Benefits Portfolio Advisory Committee: Member, (2012-2013)

IEEE Advancing Technology for Humanity

REGIONS:

- Chair, R10 Education Activities Committee (2019-2020)
- Chair, R10 Conference Quality and Management Committee (2018)
- Candidate, IEEE Region 10 Director-Elect (2014)
- Member, IEEE R10 Special Project (2007-2008)

SECTIONS/CHAPTERS:

- IEEE WA Section: Chair, (2001-2002, 2005-2006, 2013)
- Chair, IEEE SMCS Chapter (2018-2019)

STUDENT BRANCHES:

- Advisor, Murdoch University Student Branch (2011-2015)
- Advisor, Curtin University Student Branch (1998-2003)

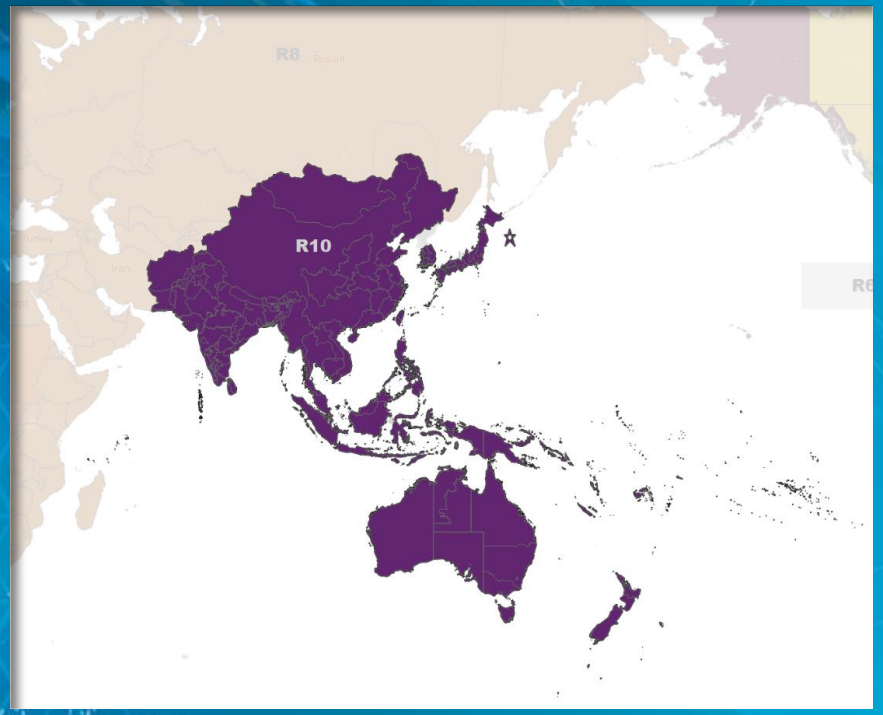
SOCIETIES:

IEEE Systems, Man and Cybernetics Society,
Member, Board of Governors (2010-2015)
Chair, Chapter Coordinators Sub-committee SMCS (2012-2019)

IEEE
Advancing Technology for Humanity

What is IEEE R10

Established in 1967 as “Rest of the World” and recognised as Asia-Pacific Region in 1981



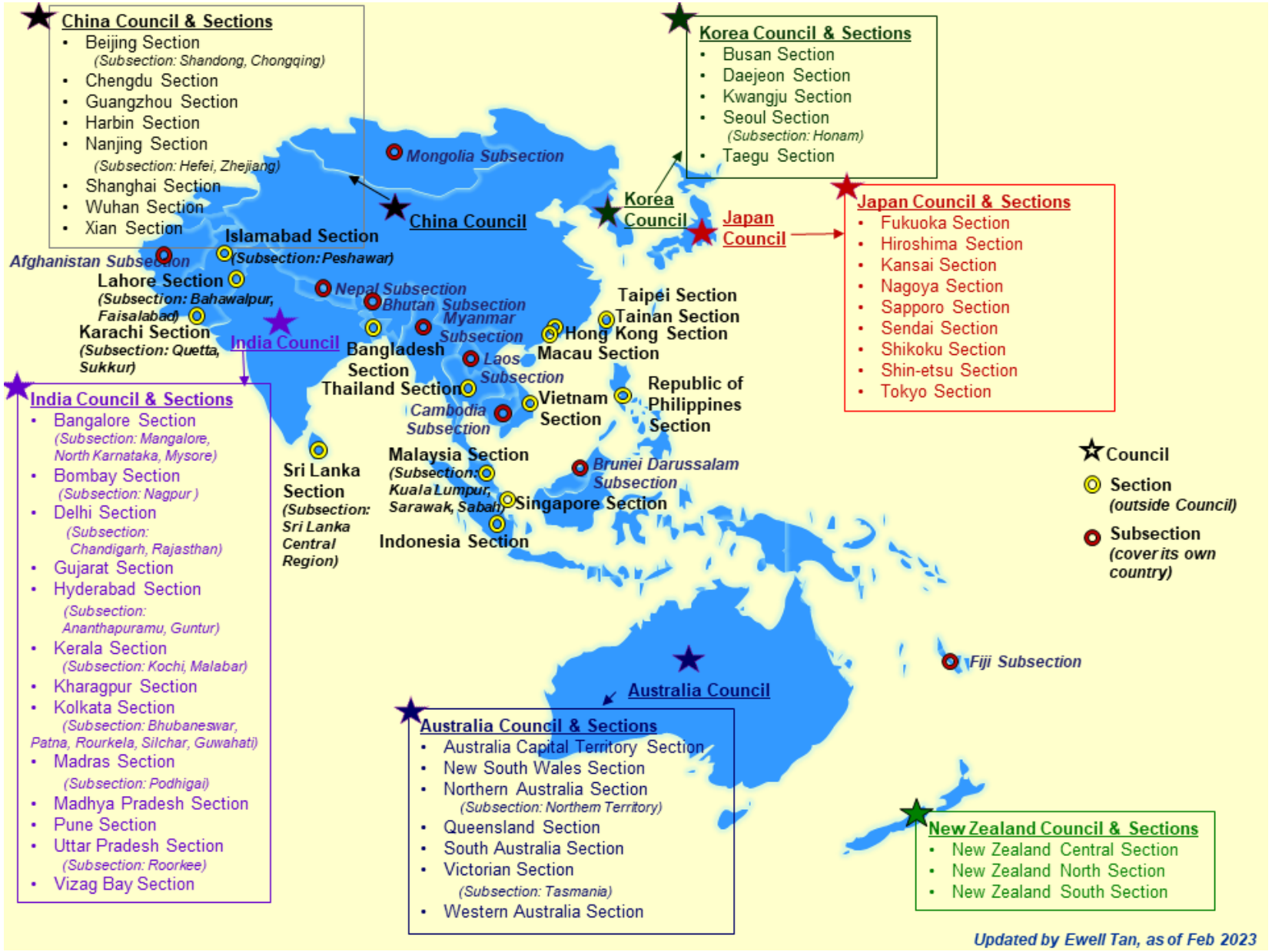
A Growing and Diverse Region…

Do you know the time zone difference from one end to another end of R10?

5

Answer: 8.5Hrs

Afghanistan:	GMT +4:30Hr
Pakistan:	GMT +5:00Hr
India:	GMT +5:30Hr
Bangladesh:	GMT +6:00Hr
Thailand:	GMT +7:00Hr
HK/Singapore/China:	GMT +8:00Hr
Japan/Korea:	GMT +9:00Hr
Adelaide:	GMT +10:30Hr
Sydney:	GMT +11:00Hr
Fiji:	GMT +12:00Hr
New Zealand:	GMT+13:00 Hr

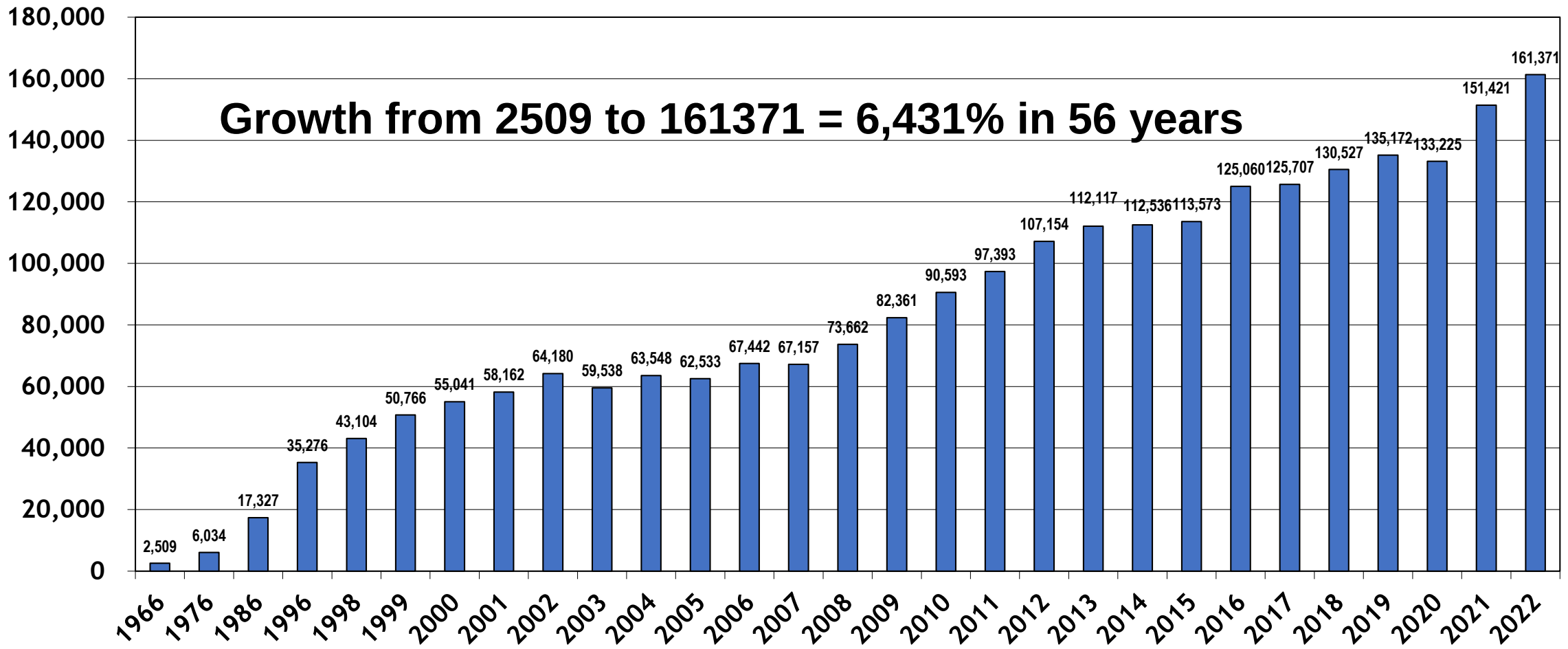


60 Sections in 16 Countries and 2 SAR

8 Sub-Sections in 8 Countries under Region

Region 10 Membership History (1966 - 2022)

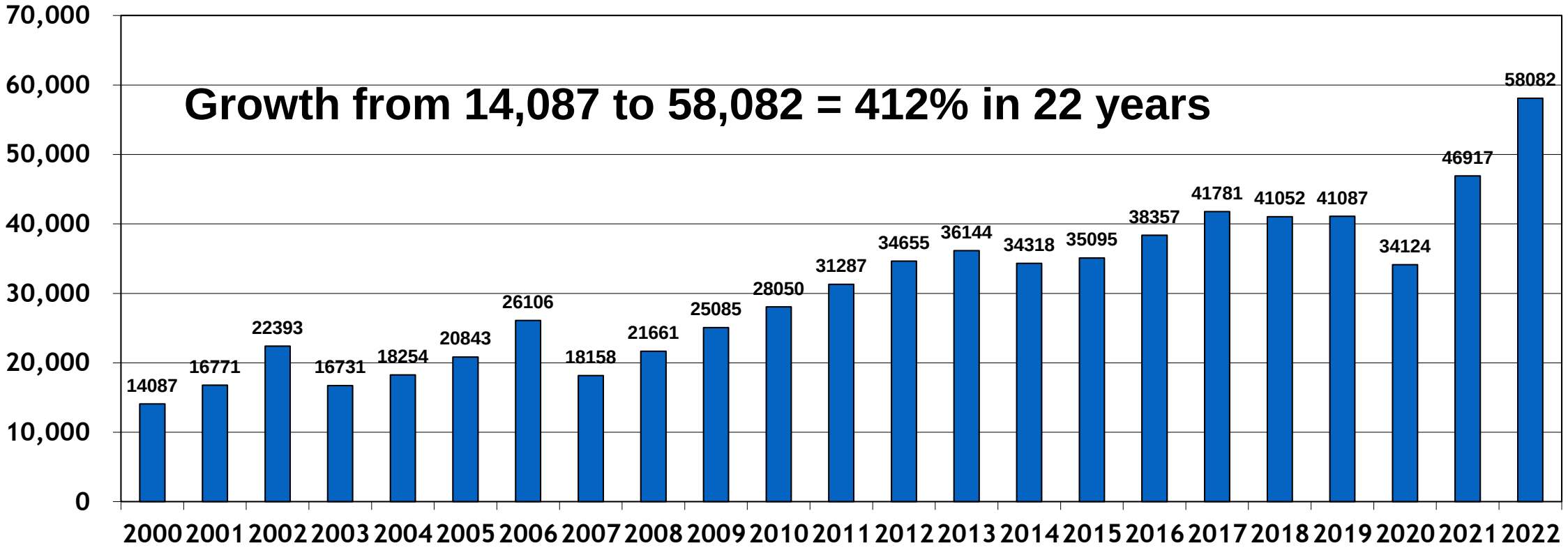
Region 10 was created on 1 January 1967



Region 10 Student Membership History (2000 - 2022)

2007 was the first year that the IEEE Graduate Student member (GSM) Grade was fully implemented.

From 2007 onwards, Higher membership count include GSM.



Number of IEEE members listed on 2024-02-26

	IEEE	R10	% of R10 vs IEEE
Members	484,054	199,806	41.3%
Society Members	255,076	104,319	40.9%
Sections	344	60	17.4%
Subsections	87	42	48.3%
Chapters	2,726	857	31.4%
Affinity Groups	756	114	15.1%
Student Branches	3,651	1,786	48.9%
SB Chapters	4,253	2,294	53.9%

Estimated Population in R10 and the World in 2024

Countries	
Australia	26,625,096
Bangladesh	**174,173,808**
China	**1,425,317,720**
Hong Kong	7,496,681
India	**1,440,000,000**
Indonesia	**278,700,000**
Japan	124,000,000
Macau	713,082
Malaysia	34,490,000
New Zealand	5,269,939
Pakistan	**245,209,815**
Philippines	119,106,224
Singapore	6,030,000
South Korea	51,753,945
Sri lanka	21,949,268
Taiwan	23,950,214
Thailand	71,885,799
Vietnam	99,497,680

Afghanistan	43,372,950
Bhutan	792,382
Brunei Darussalam	455,858
Cambodia	17,121,847
Fiji	943,072
Laos	7,690,000
Mongolia	3,493,629
Myanmar	54,964,694
Nepal	21,240,315

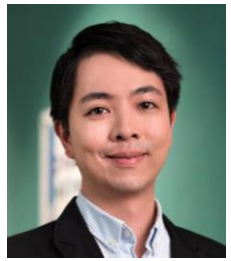
5 out of 10 world's most populated countries are in R10

Estimated R10 Population = 4,156M +150M

Estimated World Population: 8,019M

% of population in R10 = 53.69%

2024 IEEE Region 10: Executive Committe



2024 IEEE Region 10: EXCOM & AdHoc

- Operations Committee – 9 (3 D's, Secretary, Treasurer, 3 VC's, Zone Representative)
- Committee Chairs – 19 (D-E serves on SPNIC, and VC TA on History)
- Advisory Committee – 7 (4 Past Directors and Past President)
- AdHoc Committees – 5
  - **Entrepreneurship and Innovation (ACEI)**
  - **Industry Engagement and Round Table (ACIERT)**
  - **Outreach and Retention (ACOR)**
  - **Volunteer Upskill and Enhancement (ACVUE)**
  - **Climate Change and Sustainability (ACCS)**
- Total 35

Diversity of EXCOM Members

- Gender Balance: Male 23/Female 12 (65.7% vs 34.3%)
- North and South Asia: N 12/S 23 (34.3% vs 65.7%)
- Role assignment: New / Changed / Continued
  - 6 / 3 / 26 (17.1% vs 8.6% vs 74.3%)
- Countries (12):
  - India (9), Japan (7), Australia (5), S. Korea (3), Sri Lanka (2),
  - Singapore (2), Indonesia (2), Philippine (1), China (1), HK (1), Malaysia (1), Bangladesh (1)
- Aim to include more volunteers from other countries/sections in the committees

Region 10: Subcommittees

Engaging more volunteers in Region 10 Committee

Diverse group

Developing them as future leaders

Region 10	Count of Event
Administrative	**3015**
ExCom	2724
Officer Training	291
Humanitarian	**545**
Other	338
SIGHT	207
Nontechnical	**3346**
Awards Dinner	55
Nontechnical (Other)	2108
Pre-University Activities	136
Social	1047
Pre-U STEM Program	**382**
Camp	16
Career Day	13
Competition/STEM Fairs	66
Girls in STEM	31
Industry/Company Tour	12
Mentoring	32
Parent Program	1
Student Workshop	206
Teacher Workshop	5

Activities in R10 between 1 Jan 2023 and 15 March 2024

Professional	**3298**
Continuing Education	401
Industry Relations	330
Professional (Other)	836
Professional Development	1731
Technical	**13707**
Continuing Education	1
(blank)	13706
Grand Total	**24,293**

On average:

404 activities per Section;

27 Activities per Section per Month;

0.9 event per Day per Section

Region 10: Flagship Events

- 2021 TENCON (Auckland, New Zealand, Dec 2021 -)
  2022 TENCON (Hong Kong Section)
  2023 TENCON (Thailand Section)
  2024 TENCON (Singapore Section)

2024 IEEE R10 Conference (TENCON)

- 2021 TENSYMP (Seoul Section)
  2022 TENSYMP (Bombay Section)
  2023 TENSYMP (Australian Capital Territory Section)
  2024 TENSYMP (Delhi Section)

2024 IEEE Region 10 Symposium (TENSYMP)

- 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)
  2024 R10 HTC (Malaysia Section)

IEEE R10
HTC 2024

2024 IEEE R10 Humanitarian Technology Conference (HTC)

- 2022 R10 SYWL Congress (Seoul Section)
- **2024 R10 SYWL Congress (Tokyo Section)**

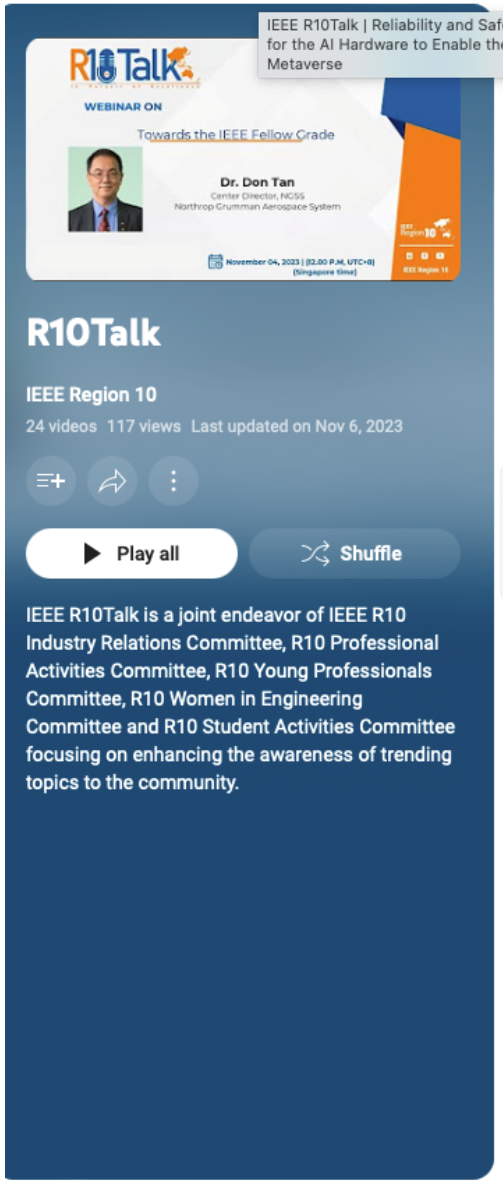
IEEE

Region 10: SYWLC

(**S**tudent **Y**P **W**IE **L**ife **M**embers **C**ongress)

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



1 IEEE R10Talk | Towards the IEEE Fellow Grade
IEEE Region 10 • 138 views • 3 months ago 1:05:16

2 IEEE R10Talk | Workshop on Building Trust Through IEEE SA Standard
IEEE Region 10 • 58 views • 4 months ago 1:24:34

3 IEEE R10Talk | IEEE Roadmaps Outlining Technology Innovations for H Solutions
IEEE Region 10 • 29 views • 5 months ago 59:53

4 IEEE R10Talk | Reliability and Safety Challenges for the AI Hardware t Future Metaverse
IEEE Region 10 • 33 views • 6 months ago 1:08:15

5 IEEE R10Talk | Radio over Fiber Technologies for 5
IEEE Region 10 • 166 views • 6 months ago 56:50

6 IEEE R10Talk | Interconnecting & Communicating w (DERs)
IEEE Region 10 • 104 views • 6 months ago 1:29:43

7 IEEE R10Talk | IEEE Region 10 Panel on Climate Ch Harbans L Bajaj
IEEE Region 10 • 21 views • 6 months ago 1:14:48

8 IEEE R10Talk | The Acceleration and Sustainability Yu Yuan
IEEE Region 10 • 21 views • 6 months ago 57:33

Region 10: Robotic Competition

- Robots for healthcare,
- Robots for humanitarian propose,
- Robot for educational/research purposes,
- Robots for community services or community awareness,
- Robots for tackling the climate change challenges or assisting with climate sustainability,
- Robots for industrial applications and
- Robots for world peace, for example, prevention of human suffering by landmines detection and defuse, surveillance and narcotics control etc.

IEEE Region 10 Young Professionals Saaveethya Sivakumar

R10 Internship Program

The first regional level internship program, launched and pioneered by IEEE R10 YP, which aims to provide the interns with necessary training and involving on projects which benefits the members of the IEEE. https://yp.ieeer10.org/gems/

Projects: IEEE MinT & Scribld

Region 10 YP Vitality

60 Sections within R10	50 YP AGs	148 Events
1 Dormant AG	18.2% Membership Growth	44087 Members

Top 3 AGs based on member count

Beijing – 6902
Bangalore - 2475
Shanghai – 2241

IEEE Region 10 Young Professionals Career Leadership Aid Program (CLAP) is focused on equipping student and graduate student members with the necessary skills to achieve their career goals and facilitate their transition to IEEE Young Professional.

IEEE Region 10 Student Activities Committee

IEEE REGION 10 Student Summit

- Flagship event funded by R10 SAC.
- **7 Host Sections**
- Two Phases: Plenary and Sectional Assemblies
- Plenary was hybrid where the sections gathered physically and R10 leadership presented online.
- Sectional Assemblies were hosted as separate events by section SACs adhering to the structure provided by R10 SAC.
- Total participation upto a count of nearly 1,200.

Region 10
Women in Engineering

Team

Chair: Emi Yano (Tokyo)

Allya Koesoema (Indonesia)

Dhiraj Chaurasiya (Pune)

Dimuthu Anurag (Sri Lanka)

Foram Rajdev (Gujarat)

Osamu Toda (Nagoya)

Preetika N (Hyderabad)

Thanatip Chankong (Thailand)

Toshihiko Sugie (Tokyo)

Vijay S Paul (Victorian)

Webmaster: Pratik Jadhav (Bombay)

Funding

R10 Supporting Fund: 11 projects from 21 proposals
R10 Travel Funding: 12 winners

Award

Kerala Section 2023 R10 HTA Outstanding Section Award
Robiah Ahmad – Malaysia Section 2023 R10 HTA Outstanding Volunteer Award

Visibility Enhancement

IEEE R10 HTA Impact Congress at HTC 2023 (15-18 October, Rajkot, India)

4days event, 32 participants from 11 sections

Day 1: SIGHT Chairs / HTA volunteers Meetup

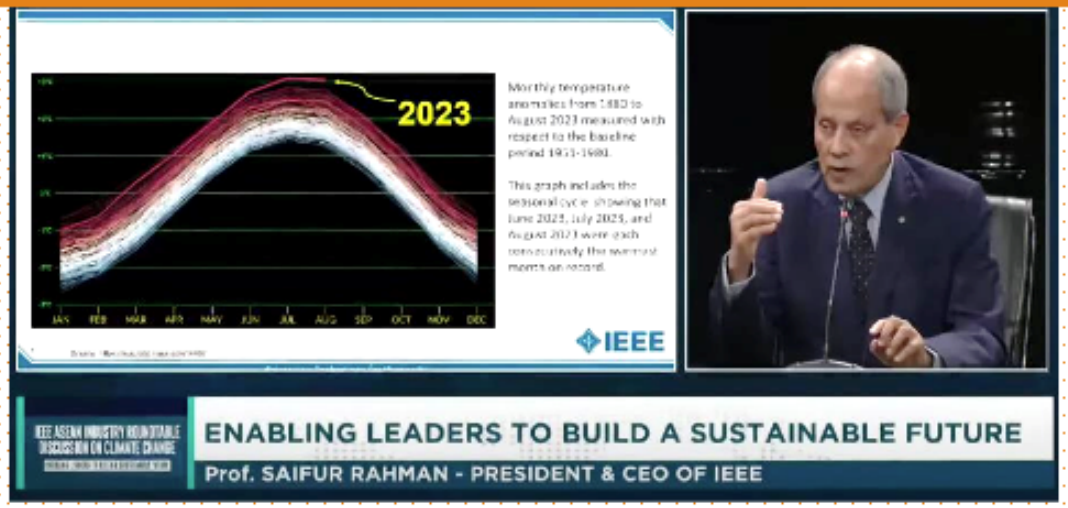
Day 2: HTB Capacity Building Workshop

Day 3: Networking Activity, Gir Forest One-day trip

Day 4: Session on Sustainable development plan for SYWL

IEEE R10
ASEAN Industry Roundtable Discussion on Climate Change

- Brought together industry leaders, researchers and government representative to focus on the pressing need for innovation, sustainable practices, and education to effectively tackle climate change.
- The topics covered include the impact of climate change on natural resources, the significance of energy efficiency and renewable energy sources, and the need to shift away from coal and gas in power generation.
- Overall, the panelists agreed on the need of a united effort to combat climate change to create a better future for all.
- This discussion was aired **live on YouTube** and was watched by more than 850 person at the time.
- It was also **aired on TVRI World channel** which is accessible by satellite and pay TV platforms overall countries within South-East Asia and 7 countries in Europe.
- https://www.youtube.com/live/AlGZbxFiTHQ?si=6RCqUG6CKkE8smde



Venue: Asia Pacific University of Technology & Innovation

08.30 – 09.00AM Registration

09.00 - 09.30AM Welcoming & Opening Remarks

09.30 - 12.00PM Global Semiconductor Landscape Challenges and Opportunities

Venue: MIMOS Berhad

14.30 - 15.45PM Navigating the Innovation Landscape

16.00 – 17.30PM Technical Visit

REGISTER NOW

http://bit.ly/2024IDRTD

Friday 1 March 2024 8.30 AM - 5.30 PM

ieeemy.org IEEE.my ieee-malaysia-section

IEEE

HTX-IEEE Public Safety Workshop

From Research to Real-world Application - TXS 2024

IEEE Advancing Technology for Humanity

HTX

A workshop to inspire greater interaction between researchers and public safety operations personnel, to push for more research and translation collaborations.

Half-day hybrid workshop as part of Milipol AsiaPac-TechX Summit 2024

5th April 2024

9am - 12nn Singapore Time

Register at www.techxsummit.sg **Or email** Yuan_Yidi@htx.gov.sg

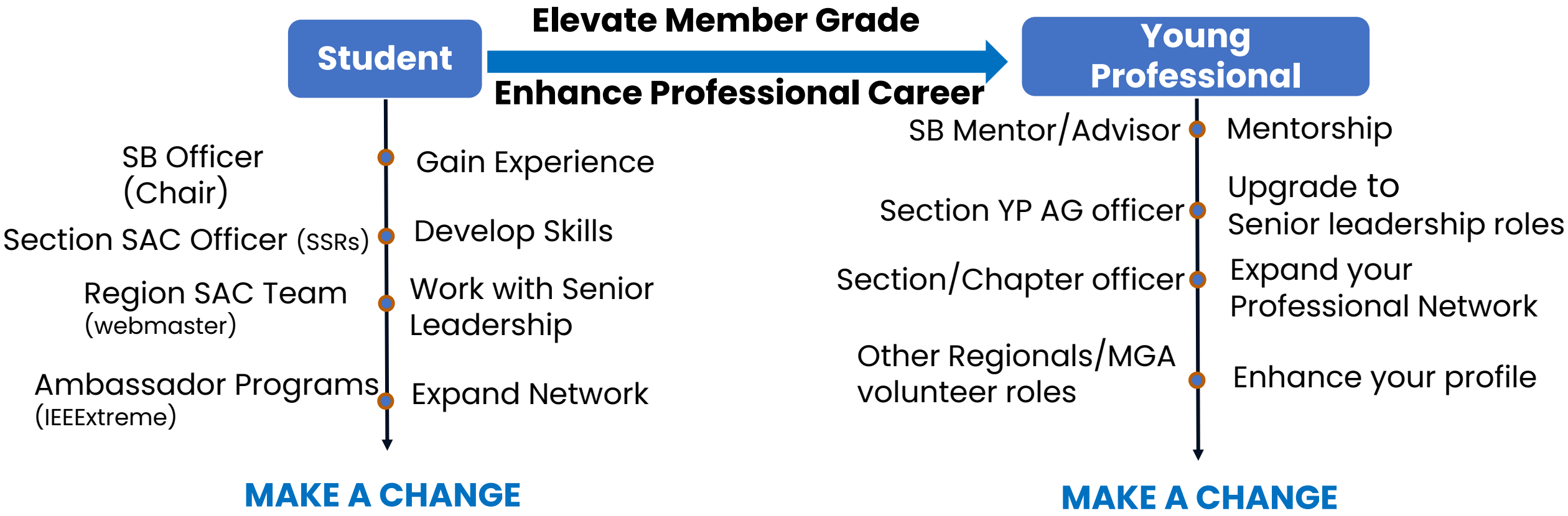
IEEE

Collaborate with other OU's

- Education Society – TALE Conference
- R8, R7, R9 – HisTelCon
- R6 – Education Activities
- CIS - CIS Education Sandbox Workshop
- IEEE IEC – Industry and Governments
- IEEE Entrepreneurships – Hard Tech Venture Summit
- IEEE Dataport – High Usage from R10 OU's
- IEEE Blockchain Technical Community – LG's

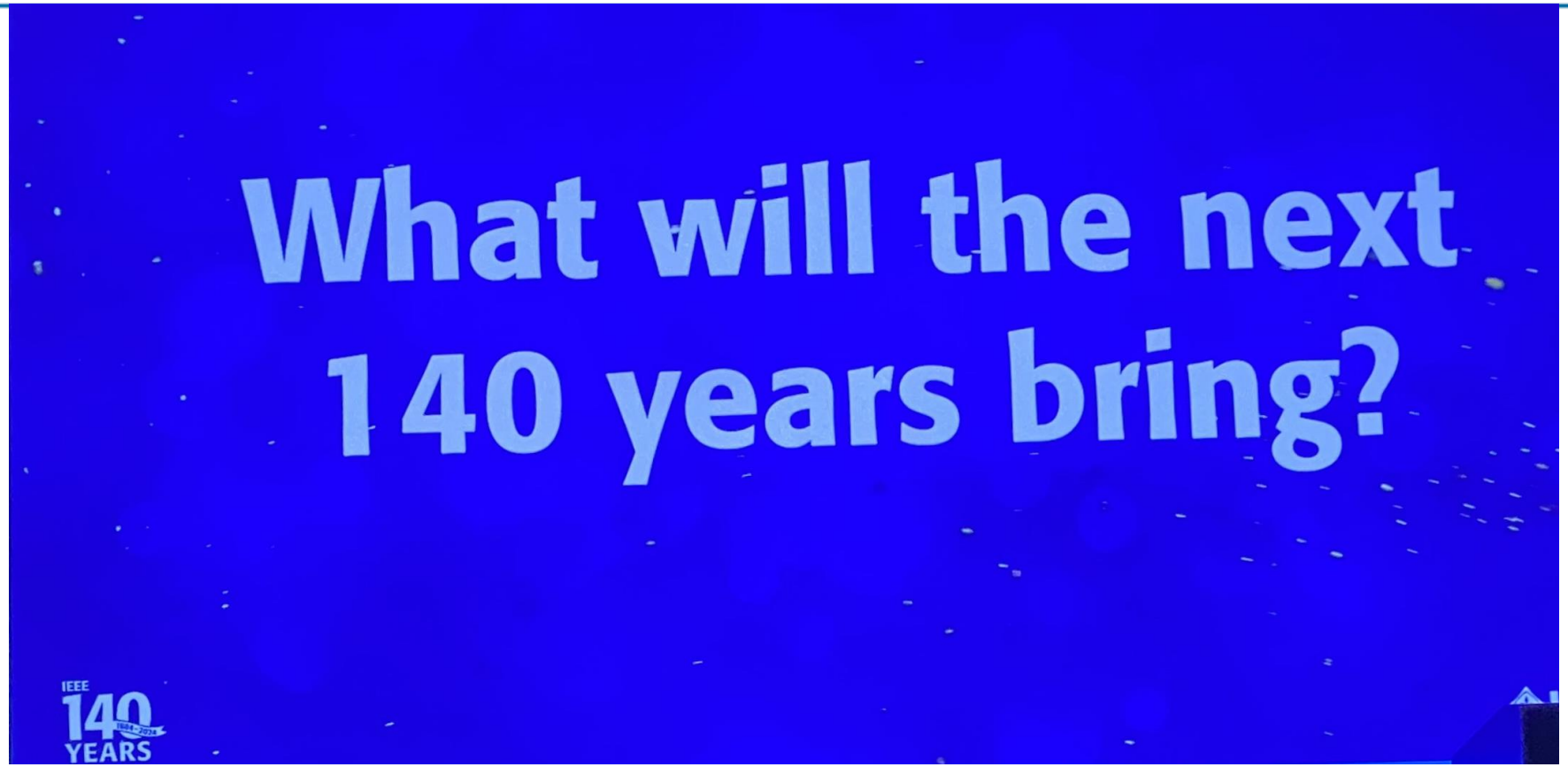
27

Opportunities
Leadership Transitions



To reach Full Potential for and in IEEE?

- **Promote and Publicize:**
  - **Values and Benefits** that IEEE will bring
  - Availability of IEEE **Resources provide** for technical and professional growth
  - **Opportunities** for Networking, serving, volunteering and leading
  - **Award and recognition** for the deserving members and volunteers
  - **Supports** for creating new projects and implementation of innovative ideas.



Let’s continue further

IEEE Mission and Vision