R8 from the past

118th R8 Committee Meeting, Warsaw, 2-3 April, 2022

Jozef Modelski – R8 Past Director (2009-2010)

IEEE Region 8

IEEE
Advancing Technology
for Humanity

Our History

American Institute of Electrical Engineers **AIEE (1884)**
- **Founded by American industrialists to develop a skilled workforce; prepare standards for U.S. electrical industries**

Institute of Radio Engineers **IRE (1912)**
- **Founded by radio electronics pioneers**
- **Did not feel fully at home in electric power-oriented AIEE**
- **Differed from the AIEE - positioned at inception to be global**

On 1 January 1963, the AIEE and the IRE merged to form

Institute of Electrical and Electronics Engineers

The early days of organized Electrical Engineering

1940's:

AIEE and IRE became rival organizations in areas, such as:

- *Electrical communications*
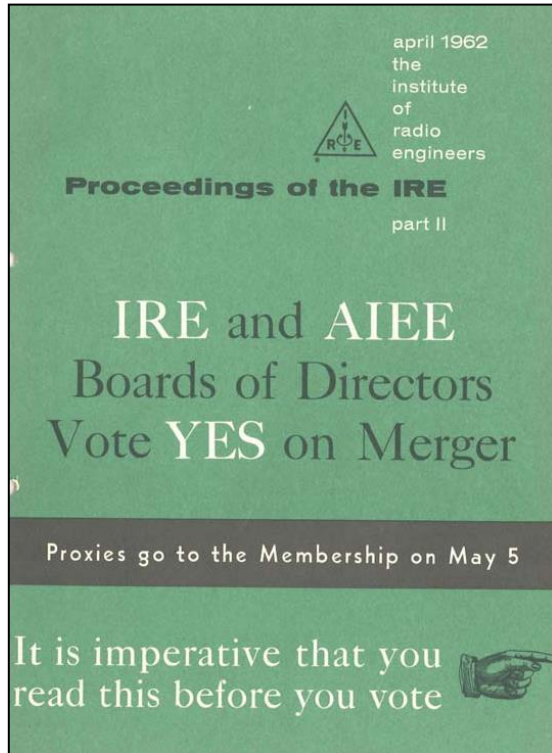- *Electronics (electron tubes)*

1957:

IRE with 55.500 members the larger organization

- Has more appeal to practitioners
- Students and young electrical engineers favor IRE above AIEE
- Negotiations about a merger started that year

In 1962: IRE - 96.500 members,   AIEE - 57.000 members

IEEE
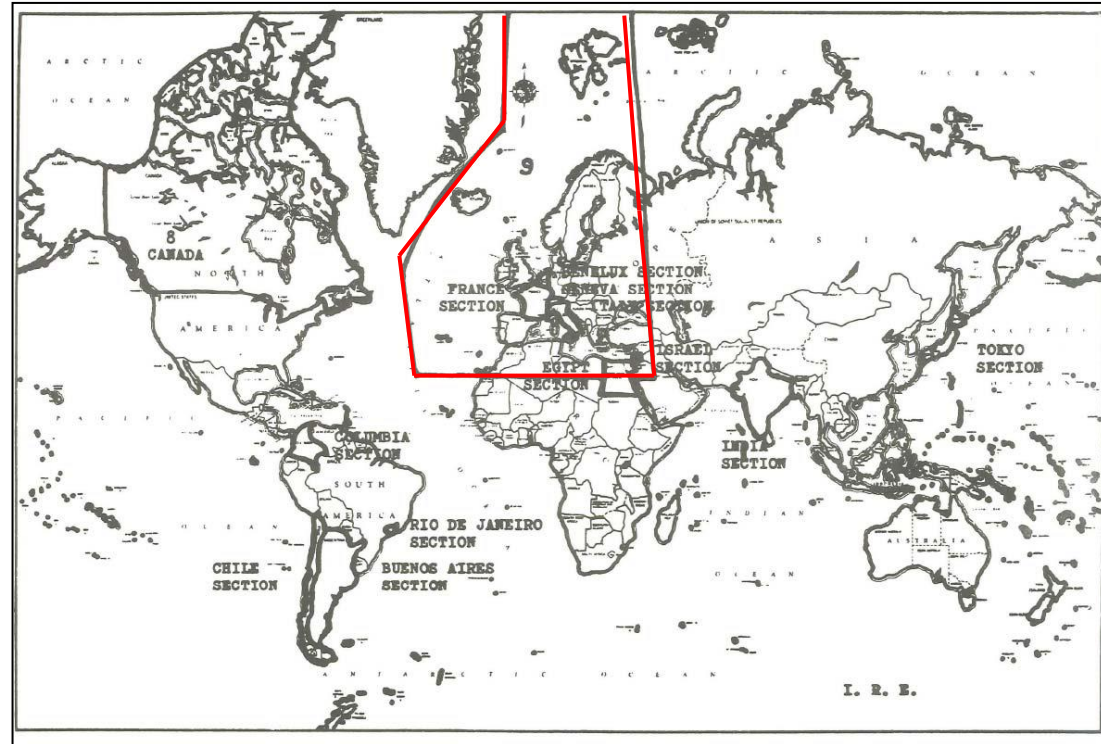Region 8

Roots of IEEE R8

Established in 1913

IRE Sections

1939	Argentina
1954	**Israel**
1955	**Egypt**
1956	Japan
1956	Brazil
1958	Colombia
1959	**Benelux, Italy**
1960	**UK&RI, Switzerland**
1961	**France**
1963	**Norway, Germany**

Formation of a (greater) European Region of the IRE

April 24, 1962

▶ **IRE approves the formation of Region 9, consisting of** *Benelux, Egypt, France, Geneva, Israel, Italy, UK&RI*

▶ **First Director of Region 9: Dr. Herre Rinia (1962-1963)**

Tony Davies, History of Region 8

Key dates – IEEE

after the merger of IRE and AIEE

▶ **8 January 1963** – re-approval by the IEEE Board of Directors: renaming of IRE Region 9 to **IEEE Region 8**

▶ **22 April 1963** – first IEEE Region 8 Committee meeting – 8 Sections;

▶ **1 January 1970** – Greenland was added to Region 8, and all the countries that were partly in Region 8 (the USSR and countries in North Africa) are now considered to belong completely to Region 8

▶ **1 January 1981** – The rest of Africa was added to Region 8

Martin J. Bastiaans, Researching the Roots of IEEE Region 8

Transformation of IEEE

from US centric organisation to truly transnational one
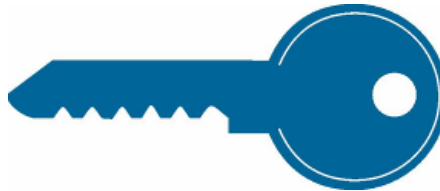
Increase in the number of Sections in Region 8

- ▶ end of 60s   12
- ▶ end of 70s   +8
- ▶ end of 80s   +7
- ▶ end of 90s   +11
- ▶ end of 00s   +21
- ▶ Today total   **66**

- ▶ up to the end of 90s – IEEE was very US centric
- ▶ 2010 – number of not US members became comparable with number of US ones
- ▶ in 20s – became really transnational organisation

IEEE Region 8

My motto:

Activities

of local chapters and student branches

are the most important key

to membership growth,

improvement of Institute image

and realisation of globalisation process

IEEE Region 8 – My Way (MGA)

SM 1990, FM 2001, Life Fellow 2020

▶ **1991 – 1995** Chair of AES/AP/MTT Joint Chapter (the first Chapter in Central and Eastern Europe)

▶ **1993 – 2001** Member/Chair of Divisions I/IV (initially MTT-S/ED-S) Joint Committee for Membership Promotion and Chapter Formation in Eastern Europe/Former Soviet Union *(over 50 new chapters, 4 new sections and the consolidation of IEEE communities in this area)*

▶ **2001 – 2004** Chair of Chapter Coordination SubCommittee

▶ **2005 – 2006** Vice Chair for Technical Activities

▶ **2007 –** EuroCon Co-Chair, 477 accepted papers, over 500 attendees

▶ **2009 – 2010** Director

▶ **2011 – 2012** Strategic Planning Committee and N&A Committee Chair

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2009 – 2010 term of office

Time of young Officers

▶ One of the youngest OpCom:

- Director Elect – Marco Delimar,

- V/C Technical Activities – Rami Mushcab,

- V/C Membership Activities – Pilar Molina Gaudo,

- V/C Student Activities – Eva Lang,

- Secretary – Costas Stasopoulos,

- Treasurer – Brian Harrington.

▶ Growth in the number of young members (graduate students + 15,9% in 2009; + 9,6% in 2010)

▶ Very successful and well attended Student Branch and GOLD Congress, SBC 2010 in Leuven

IEEE Region 8

2009-2010 R8 highlights

👍 **Creation of friendly and productive atmosphere in the Region**

👍 **Continuously growing membership and number of all units**

👍 **Successful R8 flagship conferences and SBCs** (particularly SBC 2010 in Leuven)

👍 **IEEE Milestones** – eight events, record number in the R8 history

👍 **Record number of new Fellows in Region 8** (in 2009 - 54, in 2010 - 73)

👍 **Stronger representation of R8 in IEEE HQ** (Boards and Committees)

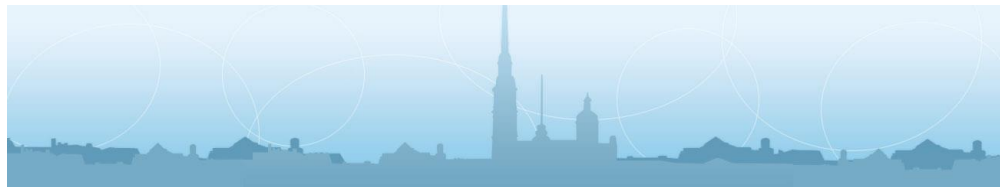👍 **IEEE 125th Anniversary Celebrations and 50th Anniversaries of Sections**

👍 **Productive R8 Committee Meetings –** interactive format

👍 **Long Range Strategic Planning**

EuroCon 2009

Saint-Petersburg, 18-23 May 2009

- **over 200 attendees**

- **final of the annual R8 Student Paper Contest**

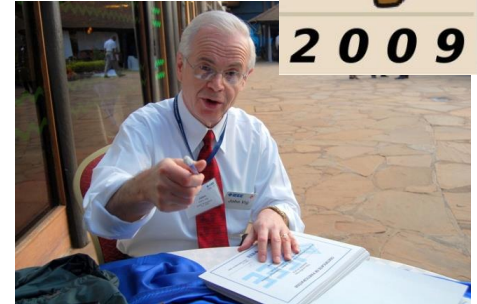- ***Shilling's* Milestone ceremony**

AfriCon 2009
Nairobi, Kenya, 23-25 September 2009

over 200 regular attendees

+ 150 students presenting their projects during the Engineering Students' Exhibition

MeleCon 2010
Valletta, Malta, 25-28 April 2010

- ▶ **318 accepted papers from over 50 countries**

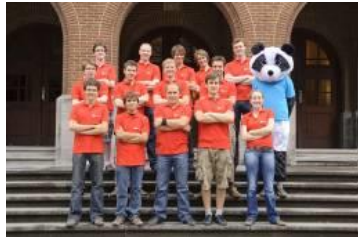- ▶ **Conference joint with R8 SPC finals**

EnergyCON 2010
Kingdom of Bahrain, 20 December 2010,

R8 Student Branch and GOLD Congress
Leuven, Belgium, 4-8 August 2010

About 300 attendees, all sessions as well as social events very well prepared and realized, productive and joyful atmosphere, very professional invited speakers, the best event in the history of SBCs in Region 8

2009 IEEE Milestones in Region 8

Milestones recognize the technological innovation and excellence for the benefit of humanity. Each milestone represents a significant achievement that occurred at least twenty-five years ago in an area of technology represented in IEEE and having a large impact.

1. IEEE Benelux Section - **Milestone to N.V. Philips' Gloeilampenfabrieken** – **Compact Disc Audio Player 1979**
   Eindhoven, 8 March

2. IEEE Russia Northwest Section – **Shilling's Pioneering Contribution to Practical Telegraphy**, **1828-1837**
   St. Petersburg, 19 May

3. IEEE Italy Section - **Volta's Electrical Battery Invention**
   Pavia, 10 June

4/5. IEEE UK&RI Section - *for* **Maxwell's equations**, two ceremonies
   Glenair, 13 August
   London King's College, 7 October

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2010 IEEE Milestones in Region 8

1. IEEE Switzerland Section - *Star of Laufenburg Interconnection;*
   18 August, Laufenburg

2. IEEE France Section - *Branly (the first person to use the idea of the coherer);|*
   23 September, Paris

3. IEEE UK&RI Section – *Crypto (Public Key Cryptography);*
   5 October, Cheltenham

The goal of these events is to enhance the public visibility and global awareness of technological expertise, leadership, and prestige.

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125th Anniversary Celebration
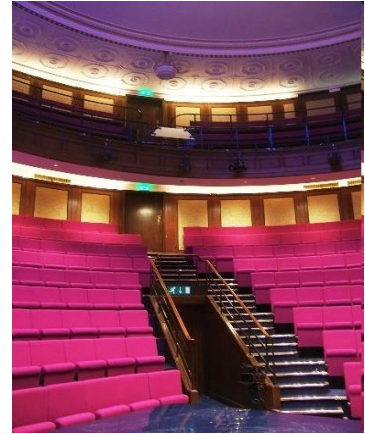
Munich, 27 April 2009

Numerous and high level representation of IEEE HQ and R8, as well as local authorities (Prime Minister of Bavaria), total number of attendees over 300, very interesting presentations.

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125th Anniversary Celebration

London, 6 October 2009

**at the Royal Institution of Great Britain, where Faraday
did his famous experiments**

Section Anniversaries

2009

2010

50th Anniversary of the Benelux Section and the Italy Section
Banners presented in Venice, 26 April 2009

50th Anniversary of the Switzerland Section

40th Anniversary of the Iranian Section

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R8 Committee Meetings

Venice, Italy, 25-26 April 2009

Riga, Latvia, 8-9 May 2010

Lisbon, Portugal, 10-11 October 2009

**Prague, Czech Republic
23-24 October 2010**

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R8 Strategic Planning Committee Meeting

London, 27 April 2011   13:30 – 17:30

SPC meeting agenda

1) **The global challenges IEEE faces** *Matthew Loeb*
2) **The MGA directions** *Howard Michel*
3) **Member experience Roadmap** *Jamie Moesch*
4) ***Questions, comments and discussion***
5) **Summary of the R8 Sections SWOT analysis** *Pilar Molina*
6) **Discussion in topical groups** *All*
7) **Recommendations from the topical groups** *group representatives/moderators*
8) **Discussion**
9) **Conclusion, further phases/steps of building the R8 long range strategy**

Topical groups

1. R8 SWOT analysis
2. Cooperation with national and regional Associations and Organizations (future model)
3. Future Region structure and R8 Committee meetings
4. Cooperation with industry (building a more effective model)
5. ....

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I wish to thank
all those who have given me their support, help and advice during my Region 8 service

Fruitful meeting tomorrow!