



IEEE Italy Section

Gianfranco Chicco - Chair

The Institute of Electrical and Electronics Engineers (IEEE)

<https://www.ieee.org/>

IEEE at a Glance



+1,200 standards

Learn more at the IEEE Standards Association



+5 million technical articles

Visit IEEE Xplore



**+39 Technical Societies,
7 Councils**

Find your technical interest



+400,000 members

Explore what membership can offer you



+340 local sections

Connect locally with fellow IEEE members



Over 2,000 conferences

Experience cutting-edge technical content



IEEE Regions

<https://www.ieee.org/communities/regional-world-map.html>



> IEEE-USA (Regions 1-6)

Region 1
Region 1
(Northeastern US)

Region 2
Region 2
(Eastern US)

Region 3
Region 3
(Southern US)

Region 4
Region 4
(Central US)

Region 5
Region 5
(Southwestern US)

Region 6
Region 6
(Western US)

Region 7
Region 7
(Canada)

Region 8
Region 8
(Africa, Europe, Middle East)

Region 9
Region 9
(Latin America)

Region 10
Region 10
(Asia and Pacific)



IEEE Region 8 – Europe, Africa & Middle East

<https://ieeer8.org/>

- ▶ 59 Sections
- ▶ 12 Sub-Sections

IEEE Region 8



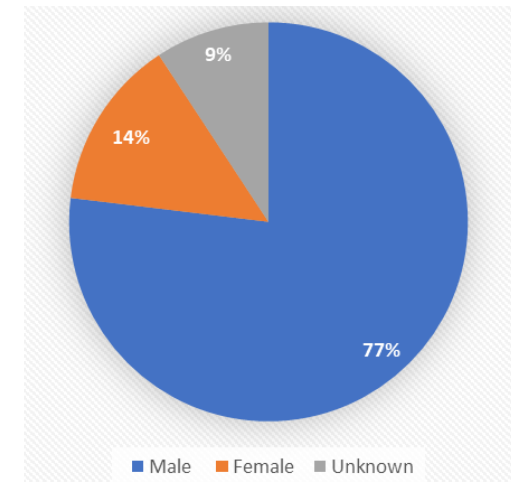
IEEE Italy Section

<https://italy.ieeer8.org/>

- ▶ Stabilita il **29 giugno 2005** come singola IEEE Italy Section come unione delle due precedenti entità: North Italy Section and Central & South Italy Section
- ▶ Composizione (Dicembre 2022):

Professional Members: 4019
Student Members: 1488
Life Members: 209
Women in Engineering: 199
Young Professionals: 2477

Fellow	157
Graduate Student Member	1202
Life Fellow	54
Life Member	107
Life Senior	48
Member	2809
Senior Member	1053
Student Member	286
Total	5716



La Italy Section con i suoi Chapter, AG e SB ha organizzato **290+ eventi nel 2022** 

IEEE Italy Section

<https://italy.ieeer8.org/>

- ▶ La maggior parte delle **conferenze** della IEEE Region 8 sono state ospitate in Italia negli ultimi anni o sono previste nel 2024: RTSI 2024 Milano, IHTC 2024 Bari)



Officer Eletti del Comitato Esecutivo

<https://italy.ieeer8.org/section-board/>

► Officer in servizio per il *biennio 2023-2024*

Chair

Gianfranco
Chicco



Vice Chair

Giambattista
Gruosso



Secretary

Daniela
Proto



Treasurer

Pisana
Placidi



Chapter della IEEE Italy Section

<https://italy.ieeer8.org/chapters/>

- ▶ Vi sono ad oggi **41 Chapter** attivi, con diverse tipologie:
 - **27 Chapter individuali** afferenti a una *Society* IEEE
 - **5 Chapter individuali** afferenti a un *Council* IEEE (es. **BIO** - Biometrics Council; **CSC** - Council on Superconductivity; **NANO** - Nanotechnology Council; **SYS** - System Council; **SCIC** - Sensors Council Italy Chapter)
 - **4 Chapter multipli** afferenti alla *stessa Society* IEEE (es. **CAS C&S** - Circuits and Systems #1 e **CAS North** - Circuits and Systems #2; **GRS Central-North** - Geoscience and Remote Sensing Central-North e **GRS South** - Geoscience and Remote Sensing South)
 - **5 Joint Chapter** afferenti a *Society multiple* della IEEE (es. **AP/ED/MTT** - Antennas and Propagation/Electron Devices/Microwave Theory and Techniques; **AP/MTT** - Antennas and Propagation/Microwave Theory and Techniques; **IE/IA/PEL** - Industrial Electronics/Industry Applications/Power Electronics; **IA/PEL** - Industry Applications/Power Electronics; **VT/COM** - Vehicular Technology and Communications)

IEEE Technical Societies

<https://www.ieee.org/communities/societies/index.html>

- ▶ Vi sono **39 Technical Societies** attive nell'IEEE (di cui **5 non hanno** un Chapter nella Sezione Italia), dai dati estratti da OU Analytics al 2 maggio 2023 (numero di iscritti):

- [Aerospace and Electronic Systems Society](#) (119)
- [Antennas and Propagation Society](#) (205)
- [Broadcast Technology Society](#) (22)
- [Circuits and Systems Society](#) (249)
- [Communications Society](#) (476)
- [Computational Intelligence Society](#) (166)
- [Computer Society](#) (535)
- [Consumer Technology Society](#) (32)
- [Control Systems Society](#) (332)
- [Dielectrics and Electrical Insulation Society](#) (31)
- [Education Society](#) (24)
- [Electromagnetic Compatibility Society](#) (70)
- [Electron Devices Society](#) (146)
- [Electronics Packaging Society](#) (15)
- [Engineering in Medicine and Biology Society](#) (244)
- [Geoscience and Remote Sensing Society](#) (159)
- [Industrial Electronics Society](#) (303)
- [Industry Applications Society](#) (194)
- [Information Theory Society](#) (64)
- [Instrumentation and Measurement Society](#) (221)
- [Intelligent Transportation Systems Society](#) (71)
- [Magnetics Society](#) (62)
- [Microwave Theory and Technology Society](#) (204)
- [Nuclear and Plasma Sciences Society](#) (89)
- [Oceanic Engineering Society](#) (53)
- [Photonics Society](#) (96)
- [Power Electronics Society](#) (201)
- [Power & Energy Society](#) (256)
- [Product Safety Engineering Society](#) (2)
- [Professional Communication Society](#) (0)
- [Reliability Society](#) (19)
- [Robotics and Automation Society](#) (382)
- [Signal Processing Society](#) (382)
- [Society on Social Implications of Technology](#) (15)
- [Solid-State Circuits Society](#) (163)
- [Systems, Man, and Cybernetics Society](#) (124)
- [Technology and Engineering Management Society](#) (29)
- [Ultrasonics, Ferroelectrics, and Frequency Control Society](#) (31)
- [Vehicular Technology Society](#) (87)

- ▶ Il numero *totale* non è significativo, avendo persone con affiliazione a più Society



IEEE Technical Councils

<https://www.ieee.org/communities/societies/about-technical-councils.html>

- ▶ I *Technical Council* sono *gruppi di Societies* che operano insieme in ampie aree delle tecnologie
- ▶ *Sette* Technical Council attivi nell'IEEE (di cui **5 hanno** un Chapter nella Sezione Italia):

Biometrics Council

Council on Electronic Design Automation

Nanotechnology Council

Council on RFID (radio frequency identification)

Sensors Council

Council on Superconductivity

Systems Council

Attività degli studenti:
30 Student Branches
(SB), SB Affinity Groups
and SB Chapters

- ▶ *Tre Affinity Groups*:

LF - Life Members (186 componenti)

YP - Young Professional (2003 componenti)

WIE - Women in Engineering (185 componenti)



IEEE SIGHT

<https://sight.ieee.org/>

- ▶ Obiettivo: creazione di un IEEE **SIGHT Group**
- ▶ Durante il meeting IEEE R8 di Bucarest è stato enfatizzato l'interesse a creare in ogni Section un *IEEE SIGHT Group*, con minimo 6 persone ed elezioni ogni 2 anni
- ▶ In Italia l'attività è coordinata dallo *Humanitarian Activity Coordinator* della Section
- ▶ Un primo passo è l'*iscrizione* di tutti coloro che intendono aderire all'IEEE SIGHT Group
- ▶ L'iscrizione è **gratuita** e può avvenire entrando nel sito IEEE come avviene per iscriversi o rinnovare l'iscrizione annuale
- ▶ Ad esempio, si può entrare nel sito:

<https://www.ieee.org/membership-catalog/index.html?srchProdType=Societies&searchType=prodType>

IEEE SIGHT

Special Interest Group on
Humanitarian Technology





GRAZIE PER L'ATTENZIONE

IEEE Italy Section

Gianfranco Chicco - Chair

12 iee.org

 **IEEE**
Advancing Technology
for Humanity