

## Poland Section

Marek Tomasz Jasinski

### Section Vitality

*Please provide information about the date of last Section elections, date of next elections, and do you have the practice of Vice-Chair becoming the next Section Chair. Section ExCom meetings (list them and provide brief summary if appropriate). List the activities carried out to retain and recruit members and the results obtained.*

Last Section elections were carried up to the end of 2023 for the period 2024-2025. Current voting results: the chair elected for the current period are:

1. Chair : prof. Marek Jasinski.
2. Vice-chair: prof. Piotr Samczynski.

Next Section elections: Autumn 2025.

Meetings of the Ex(Ad)Com IEEE Poland Section:

1. February 16, 2024, at the Warsaw University of Technology, Faculty of Electrical Engineering a new Officers of Poland Section and Stowarzyszenie Sekcji Polskiej IEEE has been approved and elected accordingly. The construction of the new WWW and LinkedIn IEEE PS has been approved and started. New strategic plan has been presented and approved.
2. September 25, 2024, at the WUT, EE fall meeting has been conducted ended by the Dinner in Szwejk Restaurant. (presentations:

[https://wutwaw-my.sharepoint.com/:f/g/personal/kornel\\_wolski\\_pw\\_edu\\_pl/ghyH1rdkZ5CgDExHd1BvSAB9AtRNY-VIMNwhErdyKmiLg?e=buT9SX](https://wutwaw-my.sharepoint.com/:f/g/personal/kornel_wolski_pw_edu_pl/ghyH1rdkZ5CgDExHd1BvSAB9AtRNY-VIMNwhErdyKmiLg?e=buT9SX)

- a. Activity for all Chapters and affinity groups has been presented and discussed.
- b. Strategy for cooperation with local engineering associations (SEP, PTI, and other has been approved).
- c. New IEEE PS websites was presented (<https://r8.ieee.org/poland/>)
- d. New Industry Activity coordinator prof. Janusz Dudeczyk (WB Electronics and WAT) was added to the ExCom.
- e. Prof. Marcin Paprzycki (Conference Coordinator) initiated the official document to Polish government to re-score the conference (especially IEEE conferences).
- f. IEEE Eurocon 2025 (<https://2025.ieee-eurocon.org/> June 4-6 2025) was re-triggered and all Chapters and Affinity Groups have been invited for cooperation and Special Session Organization.
- g. Summer IEEE PS 2025 meeting will be organized as a Special Session and Poster Session on the IEEE Eurocon 2025 conference.
- h. All next IEEE PS meeting should be connected with the IEEE conferences.
- i. IEEE Milestone is during preparation. We would like to invite all IEEE Officers especially form R8 and HQ.

On May 1<sup>st</sup> 2024 Robert Colburn, Research Coordinator IEEE History Center has sent the great news that next common action (IEEE German and Poland Section) has been approved with the success!

IEEE Milestone Citation:

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### **Long Distance Electric Power Transmission Using Three-Phase Alternating Current, 1891**

**At the 1891 International Electrotechnical Exhibition, Oskar von Miller and Michael Dolivo-Dobrowolsky from Allgemeine Elektrizitäts-Gesellschaft (AEG), Germany, and Charles Eugene Lancelotti Brown from Oerlikon, Switzerland, demonstrated the world's first long distance (175km), high voltage (15kV), highly efficient (75%) Lauffen-Frankfurt electric power transmission of 300 horsepower, using three-phase alternating current. This demonstration directly influenced the eventual worldwide dominance of electric power transmission using three-phase alternating current systems.**

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(The date of celebration in EU – Germany, Poland TBC however the most convenient date is around June 9-11 2025 after the IEEE Eurocon 2025 in Gdynia).

- i. Preliminary agenda of the IEEE Milestone  
(TBC with Kathleen Kramer IEEE President 2025, Mike Hinchey R8 Director from 2025, Jan Haase IEEE German Section Chair)
  1. One day celebration in Germany (for example June 8-9)
  2. One day celebration in Szczecin (for example June 9-10)
  3. One day celebration in Zielona Gora (for example June 10-11)

By the invitation of IEEE Oman Section, IEEE Poland Section has supported the IEEE PowerTalks 2024 organization in Oman – an excellent example of cooperation platform with local and international Industry.

### Students

List of Student Branches (SB) in your Section, the newly formed or dissolved SBs, if any since the last meeting reporting. List the student meetings held, and Section activities addressed to Students and Young Professionals.

The 2024 in PS is quite good. The new IEEE Engineering in Medicine and Biology Society Student Branch Chapter at the Silesian University of Technology has been formed (11 July 2024, information from Cecylia Jankowski, organized by Martyna Borak).

### List of Student Branches (SB) in your Section

				Members no.:
AGH University of Science and Technology	Chair	Gorszczak	Piotr	23
	Counselor	Borowka	Maciej	
Cracow University of Technology	Chair	Zielonka	Jakub	6
	Counselor	Sulowicz	Maciej	
Lublin University of Technology	Chair	Baran	Katarzyna	Under reconstruction
	Counselor	Jarzyna	Wojciech	
Opole University of Technology	Counselor	Waindok	Andrzej	2
Poznan University Of Technology	Chair	Suder	Jakub	10
	Counselor	Dabrowski	Adam	
Silesian University of Technology	Chair	Borak	Martyna	18
	Counselor	Piaseczna	Natalia	
University of Applied Sciences in Elblag	Counselor	Wasielewska	Katarzyna	n/d
University of Warsaw	Counselor	Karpinski	Michal	6
Warsaw University of Technology	Chair	Araszkiwicz	Piotr	15
	Counselor	Markowski	Konrad	
West Pomeranian University of Technology Szczecin	Chair	Komorowski	Krzysztof	14

### List the student meetings held and Section activities addressed to Students and Young Professionals:

- Visual inspection using artificial intelligence to improve safety of airport area 2024-04-10 09:45:00 UTC
- Integration of vision and sensory data in the monitoring of the measurement vehicle environment 2024-05-15 09:45:00 UTC
- Foreign Object Debris detection at aerodromes using YOLOv5 2024-09-25 11:15:00 UTC
- Camera-based light source localization for precise luminous intensity measurement of airport lamps 2024-09-26 08:00:00 UTC
- PUT Organization event 2024-09-22 07:30:00 UTC
- Meet IEEE - SUT Student Branch introductory event 2024-03-20 18:00:00 UTC
- IEEE Silesian University of Technology Women in Engineering Day 2024 2024-06-28 12:00:00 UTC
- IEEE Silesian Student and Young Professionals Networking 2024 2024-06-28 12:00:00 UTC
- Southern Poland Student IEEE Day 2024 2024-10-05 15:00:00 UTC
- IEEE Krakow Student and Young Professionals Networking 2024 2024-04-26 12:00:00 UTC

### Affinity Groups

List of Affinity Groups (YP, LM, WiE, SIGHT, etc.), list of SB AGs, newly formed or dissolved AGs/SB AGs, if any since the last meeting reporting. List the activities intended to support affinity groups.

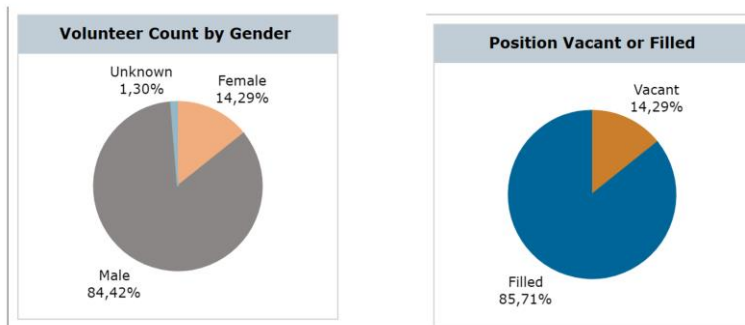
- LM PS IEEE Poland Section Affinity Group
- YP PS IEEE Poland Section Affinity Group ([\(20+\) Facebook](#))
- WiE PS IEEE Poland Section Affinity Group
- SIGHT – under construction
- SB PS IEEE Poland Section Affinity Group ([www.facebook.com/ieee.sut.sb](http://www.facebook.com/ieee.sut.sb))

### Chapters

List of Chapters and SB Chapters in your Section, the newly formed or dissolved Chapters, if any since the last meeting reporting. Indicate how many have reported on time and received rebate. Highlight some of the activities.

New Chapter the IEEE Poland Section Geoscience and Remote Sensing Society Chapter. The approval date is 26 July 2024 and the identification code is **CH08927** (Pawel Natzel).

The DEI distributions and volunteering:



Updating chapter websites are in progress:

**Strony oddziałów** <https://r8.ieee.org/poland/oddzialy/>

The screenshot shows the IEEE Poland Section website. On the left, there is a list of chapters including AP-03 Antennas and Propagation, AES-10 Aerospace and Electronics Systems, and others. On the right, there is a section for 'Upcoming Lectures by Dr. Mark Davis' with details about the lecture topic and date.

### List of Chapters

1. AP-03/AES-010/MTT-017 Antennas and Propagation/ Aerospace and Electronics Systems/ Microwave Theory and Techniques (in Polish: Anteny i Propagacja/ Technika Lotnicza i Systemy Elektroniczne/ Teoria i Techniki Mikrofal);
2. C-016 Computers (Gdansk) (in Polish: Komputery [Gdańsk]);
3. C-016 Computers (In Polish: Komputery);
4. CAS-004 Circuits and Systems (In Polish: Obwody i Systemy);

5. COM-019 Communications (In Polish: Komunikacja);
6. ED-015 / EP21: ED-015 - Electron Devices (In Polish: Urządzenia Elektronowe) / EP-21 Electronics Packaging (in Polish: Elektronika o Wysokiej Gęstości Upakowania);
7. PE-031/IA-034 Power Engineering/ Industrial Applications (In Polish: Energetyka / Zastosowania Przemysłowe);
8. PEL-035/IE-013 Power Electronics/ Industrial Electronics (In Polish: Energoelektronika/ Elektronika Przemysłowa);
9. RA-024 Robotics and Automation (In Polish: Automatyka i Robotyka);
10. CS-023 Control Systems (In Polish: Systemy Sterowania);
11. MAG-033 Magnetics (In Polish: Magnetyzm);
12. PHO-036 Photonics (In Polish: Fotonika);
13. SP-001 Signal Processing (In Polish: Przetwarzanie Sygnałów);
14. IM-009 Instrumentation and Measurement (In Polish: Przyrządy i Pomiary);
15. CIS-011 Computational Intelligence (In Polish: Inteligencja Obliczeniowa);
16. EMB-018 Engineering in Medicine and Biology (In Polish: Inżynieria w Medycynie i Biologii);
17. EMC-027 Electromagnetic Compatibility (In Polish: Kompatybilność Elektromagnetyczna);
18. DEI-32 Dielectrics and Electrical Insulation (In Polish: Dielektryki i Izolacja Elektryczna);
19. SMC-28 System Man and Cybernetics (In Polish: Systemy Człowiek-Maszyna i Cybernetyka);
20. TEM-14 Technology and Engineering Management (In Polish: Zarządzanie Technologią i Inżynierią);
21. LM PS IEEE Poland Section Affinity Group (In Polish: LM Grupa działająca przy Polskiej Sekcji IEEE);
22. GRS29 (GRSS) Geoscience and Remote Sensing Society
23. VT06 Vehicular Technology Society
24. WIE Women in Engineering Polish Affinity Group (In Polish: Grupa „Kobiety w Inżynierii” Polskiej Sekcji IEEE);
25. Silesian University of Technology, WIE (IEEE Women In Engineering)
26. YP Young Professionals Polish Affinity Group (In Polish: Grupa „Młodzi Profesjonaliści” Polskiej Sekcji IEEE).

### Industry

*List the activities carried out to foster relations with Industry and the results obtained.*

We planned new way of cooperation with the industry the details will coming soon. In general closer cooperation with local industry and industry associations.

### Diversity, Equity and Inclusion

*Highlight any diversity metrics (gender, age, religion, geographical, employment, etc.), new initiatives, best practices and progress around diversity and inclusion happening in your Section. Link to IEEE DEI statement <link>.*

IEEE PS has taking care on DEI from the begging of its erection (<https://www.ieee.org/about/diversity-index.html> )

### Activities since the last report

*Highlight some of the activities in your Section, with special attention to the things that work well, and things that don't, so that your acquired know-how can be used by other Sections.*

New IEEE PS websites was presented (<https://r8.ieee.org/poland/> ) activation of S&YP, WIE and Industry cooperation.

### Planned activities

*Highlight some of the future activities and initiatives in your Section.*

1. New Industry Activity coordinator prof. Janusz Dudczyk (WB Electronics and WAT) was added to the ExCom.
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### **How Region 8 can be of help to your Section, members, and activities**

*List any challenges your Section is facing and what support is required from the Region 8. Please, also, give us your suggestions for agenda items that you want to be discussed during the R8 Committee meeting.*

More systematic information for S&YP, WiE and support them. More support for the DIE.

### **Any other issues of interest**

Stationary meetings and training in IEEE origin (USA) to know each other from different regions and better operations of the IEEE.