Greece Section Name   Sotirios Goudos

Section Vitality

The 2023-2024 Section's elections for the positions of Chair and Vice-Chair have been scheduled from 27th of March 2023 till 10th of April 2023 and the incoming Vice-Chair is the previous Secretary. The elections for the positions of Secretary and Treasurer have been scheduled from 5th of June 2023 till 18th of June 2023. A meeting with the Section Advisory Committee, a committee consisting of the past IEEE Greece chairs, has been organized on 10th May 2023 in order to facilitate the transition and the fruitful knowledge exchange. ExCom meetings have been scheduled on 22nd June 2023 and on 11th July 2023, devoted to the new Officers' informative actions, conference technical co-sponsorship regulations update and decision to organize four thematic open day workshops scheduled in end 2023 first semester 2024, covering all Sections' active research projects funded by European and National grants. The first thematic workshop on current trends and future prospects in research area of Electric Power and Energy has been organized in the National Technical University of Athens on 8th December 2023. The second thematic workshop on current trends and future prospects in research area of Information Technology and Computers has been organized in the University of Patras on 12th June 2024. Both workshops included many presentations of the four main Greek Universities (namely the National Technical University of Athens, Aristotle University of Thessaloniki, University of Patras and Democritus University of Thrace) as well as from Industrial and Research Units. This activity is intended to be extended during the last quarter of 2024 in respective Workshops on Signal Processing and Communications (to be organized in Aristotle University of Thessaloniki and on Electronics and Control Systems (to be organized in Democritus University of Thrace). These initiatives are expected to enable recording and archiving of current research trends, discussions and cross-fertilization of innovative ideas as well as motivation for retaining and recruiting members with a special focus on senior members and graduate students

Students

12 Greece Section's student branches have scheduled/organized numerous activities within 2024 complementing their previous attainments, as follows:

- IEEE DEMOCRITUS UNIVERSITY OF THRACE STUDENT BRANCH
    - New Years Eve Event – February 1st 2024
    - Design Team 7th Meeting – February 23rd 2024
    - Design Team 8th Meeting – February 28th 2024
    - Arduino Remote Control Vehicle Workshop – April 24th 2024
    - Exploring the future of AI wave – May 25th 2024
    - Recruitment – October 2024
- IEEE UNIVERSITY OF MACEDONIA STUDENT BRANCH
    - University of Macedonia IEEE SB - 2nd Executive Committee Meeting – January 23rd 2024
    - Visit at BETA CAE Systems – January 18th 2024
    - UNIVERSITY OF MACEDONIA IEEE SB - 3RD EXECUTIVE COMMITTEE MEETING – March 10th 2024
    - University of Macedonia IEEE SB - Arduino Day – April 6th 2024
    - Software Testing Workshop by Netcompany-Intrasoft – May 13th 2024
    - University of Macedonia IEEE SB - Executive Committee Meeting – June 9th 2024
- IEEE UNIVERSITY OF WESTERN MACEDONIA – KASTORIASTUDENT BRANCH
    - ExCom Meeting – January 8th 2024
    - Members Meeting – January 18th 2024
    - ExCom Meeting – January 27th 2024
    - UoWM-UoM Meetup – February 10th 2024
    - ExCom Meeting – February 13th 2024
    - OpCom Meeting – February 15th 2024
    - ExCom Meeting – February 16th 2024
    - Members Meeting – February 20th 2024
    - ExCom Meeting – February 26th 2024
    - Introduction to Git & GitHub Workshop – February 28th 2024
    - International Women's Day Event – March 8th 2024
    - ExCom Meeting – March 9th 2024
    - Recruitment Day Event – March 14th 2024
    - ExCom Meeting – March 15th 2024

- o Anniversary Event for the 12 years of the IEEE Student Branch of Western Macedonia, Kastoria – March 21st 2024
- o ExCom Meeting – March 25th 2024
- o OpCom Meeting – March 30th 2024
- o Members Meeting – April 5th 2024
- o Coffee Talk with a Software Engineer – April 11th 2024
- o OpCom Meeting – April 16th 2024
- o Ubuntu 24.04 Noble Numbat Release Event – April 25th 2024
- o ExCom Meeting – April 28th 2024
- o Europass CV Workshop – April 28th 2024
- o ExCom Meeting – May 8th 2024
- o Members Meeting – May 17th 2024
- o LinkedIn Profile Workshop – May 19th 2024
- o Nestorio River Excursion – May 25th 2024
- o Milestone Members Meeting – June 1st 2024
- o International Women in Engineering Event – June 23rd 2024
- o ExCom Meeting–July 27th 2024
- o ExCom Meeting – September 7th 2024
- o Members Meeting – September 14th 2024
- o Freshmen Welcome Day 2024 – October 2nd 2024
- o Members Meeting – October 7th 2024
- o IEEE Day 2024-2025 – October 8th 2024
- o IEEEXtreme Countdown - Section Workshop – October 13th 2024
- IEEE INTERNATIONAL HELLENIC UNIVERSITY - THESSALONIKI STUDENT BRANCH
    - o Secret Santa & Vasilopita: Welcoming 2024 – January 13th 2024
    - o Git 101 Workshop – February 29th 2024
    - o Let's learn Go Workshop – March 4th 2024
    - o Introduction to Docker Workshop – March 11th 2024
    - o To JIT or not to JIT Workshop – March 21st 2024
    - o 3D Printing Workshop – May 24th 2024
    - o ENG IHU TEAMS Event – May 23rd 2024
    - o Bonding Event – October 10th
    - o Robotic Project Meeting – October 17th 2024
    - o EXTREME TRAINING – October 20th 2024
- IEEE ARISTOTLE UNIVERSITY OF THESSALONIKI STUDENT BRANCH
    - o Digital twins for advanced monitoring security of distribution networks–January 16th 2024
    - o New year's eve event – February 2nd 2024
    - o School Sectors Presentation – March 13th 2024
    - o Bruce – Lee Inspired Fluid Antenna System for Extreme massive Connectivity lecture – April 8th 2024
    - o ExcursionτοELEMKO – April 26th – 28th 2024
    - o RECRUITMENT DAY – April 15th 2024
    - o A story about Student Entrepreneurship and Social Impact – April 23rd 2024
    - o Thesis – Experiences and perspectives–May 16th 2024
    - o RECRUITMENT DAY – October22nd 2024
- IEEE AEGEAN UNIVERSITY STUDENT BRANCH
    - o IEEE Student Branch Opening – October 12th 2024
- IEEE UNIVERSITY OF THESSALY - LAMIA STUDENT BRANCH
    - o New Year's Eve Event – March 7th 2024
    - o Code.Hub Webinar – May 29th 2024
    - o Transcriptome Profiling Analysis using R Workshop – June 6th 2024
- IEEE UNIVERSITY OF THESSALY - VOLOS STUDENT BRANCH
    - o Meet Us Day – March 30th 2024

- o   IEEEXtreme Countdown – September 29ᵗʰ 2024
- **IEEE PIRAEUS UNIVERSITY STUDENT BRANCH**
  - o   New Year's eve event – March 22ⁿᵈ 2024
  - o   Hack 'n' Learn 2024 – April 20th
  - o   UNIPI Tech Seminars: Big Data Analytics and Web Development with AI - May 31ˢᵗ 2024
  - o   IEEEXtreme Countdown – October 10ᵗʰ2024
- **IEEE UNIVERSITY OF PATRAS STUDENT BRANCH**
  - o   General Meeting – February 10ᵗʰ 2024
  - o   How to 3D PrIEEEnt event – March 5ᵗʰ 2024
  - o   Women in Engineering Event – March 8ᵗʰ 2024
  - o   CarnIEEEval Party – March 13ᵗʰ 2024
  - o   CodIEEEng Lab – March 30-31 2024
  - o   Coffee and PR training – May 2024
  - o   Seminar – April 7ᵗʰ 2024
  - o   Wireless Energy Propagation Workshop – April 16ᵗʰ2024
  - o   IEEE Day 2024 Event – October 3ʳᵈ 2024
  - o   1ˢᵗ Volunteer Training 2024 – October 5ᵗʰ 2024
  - o   IEEEXtreme Countdown – October 6ᵗʰ 2024
  - o   Cost of electricity network – October 14ᵗʰ 2024
- **IEEE UNIVERSITY OF PELOPONNESE – PATRAS STUDENT BRANCH**
  - o   Get to Know us – April 15ᵗʰ 2024
  - o   Summer School – May 27ᵗʰ – June 1ˢᵗ 2024
- **IEEE HELLENIC MEDITERRANEAN UNIVERSITY STUDENT BRANCH**
  - o   Lecture day of modern trents in reaserch by HMU Professors – May 24ᵗʰ 2024
  - o   IEEE Day - Freshmans Welcoming – October 11ᵗʰ 2024
  - o   Chapter's Planning 2024-2025 – October 14ᵗʰ 2024
- **IEEE NATIONAL TECHNICAL UNIVERSITY OF ATHENS STUDENT BRANCH**
  - o   Decision Trees for the global optimum of the AC OPF and inferring guaranteed costs with renewable energy – January 10ᵗʰ 2024
  - o   Q-NTUA: QUANTUM COMPUTING 101 – April 16ᵗʰ 2024
  - o   ECESCON 2024 Participation – April 2024
  - o   IEEE Day – October 16ᵗʰ 2024
- **IEEE UNIVERSITY OF WEST ATTICA STUDENT BRANCH**
  - o   Python OOP Workshops – March 25ᵗʰ – 29ᵗʰ 2024
  - o   IEEEXtreme Countdown – October 6ᵗʰ 2024
  - o   GIT Workshop 2024 – October 12ᵗʰ 2024
- **IEEE INTERNATIONAL HELLENIC UNIVERSITY – SERRES STUDENT BRANCH**
  - o   When HC-05 (Bluetooth) met Arduino Workshop – April 21ˢᵗ 2024
  - o   IEEEXTreme Countdown – September 29ᵗʰ 2024

It may be noted also the Chairman of IEEE EAB PECC, Prof. S. Dragoumanos, organized within Information Technology Department of Ioannina University in the city of Arta a summer camp in the frame of which a new Student Branch has been initiated involving numerous new memberships (3 teaching staff and 12 student memberships).

Affinity Groups

The IEEE Greece Section has 5 AGs, specifically, the IEEE National Technical University of Athens HKN AG (Mu Gamma), the IEEE InSIGHT, the IEEE Life Members AG, the Young Professionals AG and the Women-in-Engineering AG. The AGs are partnering with the other IEEE Greece Section OUs and co-organize events

• Women in Robotics - Lecture - co-organization with IEEE IHU RAS Chapter

Chapters

The IEEE Greece Section has 12 technical chapters (Power and Energy Chapter, Communications Chapter, Control Systems Chapter, Signal Processing Chapter, Computer Chapter, Consumer Electronics Chapter, Engineering in Medicine and Biology Chapter, Computational Intelligence Chapter, Electron Devices/Microwave Theory and Techniques/Antennas and Propagation Joint Chapter, Circuits and Systems/Solid-State Circuits Joint Chapter, Vehicular Technology/Aerospace

and Electronic Systems Joint Chapter, Industrial Electronics/Industry Applications/Power Electronics Joint Chapter) and more than 20 technical student chapters.

On 20th November 2024, the Power & Energy Chapter organizes the 22nd Workshop on Power Engineering Dissertations at the National Technical University of Athens concerning competition of respective final diploma dissertations in this area presented by students attending in all Greek Universities.

Industry

In May 2024 an invited visit of students of National Technical University of Athens has been organized in the laboratory of Tesla Greece, focused on electrical machines design for electric vehicles, hosted at the Innovation Hub of Electric Power Corporation of Greece situated at Paiania near Athens.

Diversity, Equity and Inclusion

Appropriate link is maintained at the Section's web-site to IEEE DEI statement.

Activities since the last report

Important activities, seminars and workshops are reported and promoted through the Section's web-site.

Planned activities

As already mentioned in the vitality item, the Section has decided to organize two more thematic open day workshops scheduled in the last quarter of 2024, covering all active research projects in the domain of the Section funded by European and National grants on the domains of Signal Processing and Communications, as well as on Electronics and Control Systems. This activity is expected to render great services both in archiving and diffusing information on current research trends and in motivating member recruiting.

How Region 8 can be of help to your Section, members, and activities

Financial assistance to distinguished Lecturers' travel and accommodation expenses for presenting "hot" topics to our members.