IEEE UK & Ireland Section
Signal Processing Society Chapter Seminar

Introduction by: Prof. James R. Hopgood
(Chapter Chair, University of Edinburgh)

followed by

"Large Language-Audio Models and Applications", Professor Professor Wenwu Wang
(University of Surrey)

(Event SPS-2025-01)

- Lecture will be recorded:
  - If your camera is on, please be mindful that there's a chance you might be recorded.
  - Please make sure your microphone is on Mute if not speaking

- If something goes wrong!
  1. We will keep admitting attendees, so if something isn't right, pop out and pop back in.
  2. Check AV settings (speaker/microphone, etc)

- Talks to last around an hour in total, with questions afterwards.

- IEEE Signal Processing Society: First IEEE Society (1948)

- 23,000 members in 120+ countries

- Society activities:

  - Publications, Conferences, Workshops

  - Distinguished Lecturer / Distinguished Industry Speaker Programme

  - SPS Challenge Program

  - Webinars & Short Course recordings

  - SigPort Signal Processing Repository

Hearing Aids

James Hopgood
(Chair)
University of Edinburgh
Chair of Statistical Signal Processing

Lu Gan
(Vice-Chair)
University of Brunel
Electronic and Electrical Engineering

George Ntavazlis Katsaros
(Secretary/Treasurer)
University of Surrey
Institute for Comm. Systems, 5G/6G Innovation Centre

- Purpose of Chapter:
  - "Serve IEEE members by holding meetings at the local level"
  - Provide "opportunities for networking, research, and project collaboration with others interested in signal processing"

- Committee Aims
  1. Showcase local achievements from the UK and Ireland signal processing communities to highlight regional excellence.
  2. Enhance Chapter visibility through strategic communication and a continuous presence across digital and in-person platforms.
  3. Establish open and recurring feedback loops to ensure Chapter activities are aligned with the interests and needs of its members.

- Co-opting committee members and "friends of SPS"
  - Had some volunteers already, and please contact us if interested
  - Looking for volunteers who can help promote activities but not undertake committee work.

![IEEE United Kingdom and Ireland Section]

- Next Talk on Signal Processing day, 2nd June 2025
- (Details to be announced formally soon, but will again be hybrid!)
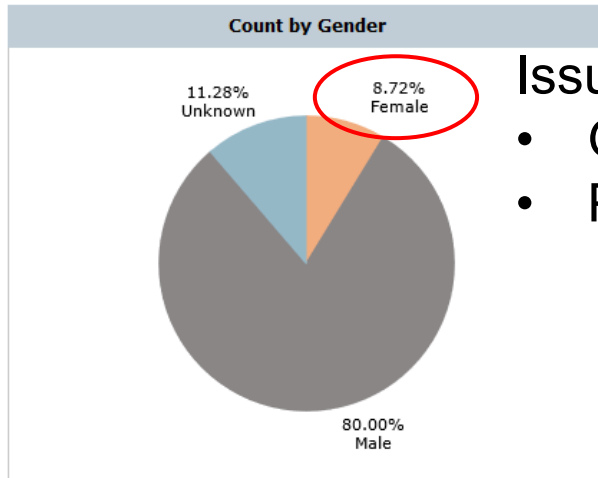
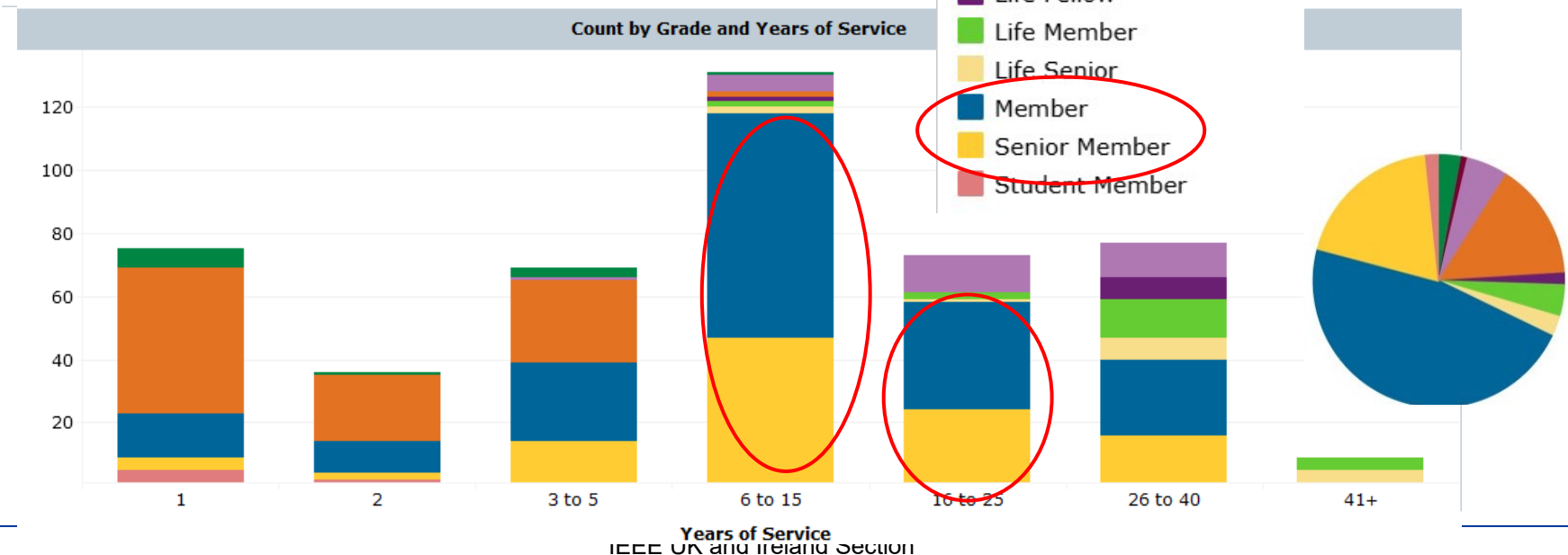

- SPS Day: https://spsday.ieee.org/

Immediate plans:

- Hybrid talk every two months, from a different organisation across the UK.
  - First was on 4th April 2025 with Professor Wenwu Wang, from University of Surrey
  - Currently head-hunting, volunteers welcome!
- Distinguished lecturer talks
- Online Early Career Research Talks, aimed at PhD students and PDRAs
  - An opportunity for ECRs to give talks to the signal processing community, who perhaps otherwise don't have seminar opportunities
- Talks on encouraging more senior membership applications
- Engage and Support Student Branches
- We are developing our full programme of events, and will share on the website soon, including a AGM!

- Members: 476 (541 in 2024) (Region 8: ~4,618; All IEEE: ~24,000)

Count by Gender

11.28% Unknown
8.72% Female
80.00% Male

Issues:
- Gender Balance: 9% Female (where known)
- Potential for more Senior Members?

Count by Grade and Years of Service

Legend:
- Affiliate
- Associate Member
- Fellow
- Graduate Student Member
- Life Fellow
- Life Member
- Life Senior
- Member
- Senior Member
- Student Member

Years of Service: 1, 2, 3 to 5, 6 to 15, 16 to 25, 26 to 40, 41+

Questions!