

Activity & Progress Reporting
Section Spring Meeting - 29th April 2022

1. Chapter/Affinity Group:	IEEE UK & Ireland Chapter, Power Electronics Society - PEL35 CH08113
2. Committee Members	Jun Liang (Chair, Cardiff University), Peter Wilson (Bath University), Patrick Wheeler (Nottingham University), Sarath Tennakoon (Stafford University), Bing Ji (Leicester University), Ahmed Zobaa (Brunel University), and Aris Karcanias (FTI Consulting)
3. Reporting Officer:	Jun Liang, Bing Ji (new Chair) and Sheng Wang (new vice Chair)
4. Overview of current plan and activities:	<ul style="list-style-type: none"> i. 2020 9th International Conference on Power Science and Engineering (ICPSE) (IEEE Attended: 6, Guests Attended: 45) – 23/24 Oct 2020 ii. One-day Seminar on Power Electronics for Grid Applications, E-mobility and Renewable Energy (IEEE Attended: 40, Guests Attended: 40) - 16 Dec 2020 iii. Design Methodologies for Power Electronics Conference (DMC), Bath, UK – 14/15 July 2021 iv. IEEE PELS Society UK&I Chapter BEST Doctoral Thesis Award 2019/2020 – 26 July 2021, Dr Yitong Li graduated from Imperial College awarded. v. The 6th IEEE Southern Power Electronics Conference SPEC 2021 – 6/9 December 2021 vi. New Chapter Chair and vice Chair
5. Key Achievements and member value/services to date:	
6. Key Challenges:	
7. Deficits/Required Resources:	
8. Actions/Support requested from the Section:	<ul style="list-style-type: none"> •
9. Action Plan:	<p>1. Hold a Chapter General Meeting (CGM) <i>online</i> to discuss what have been achieved, the current state and the future plans/events for the IEEE PELS Chapter, UK and Ireland Section.</p> <p>KPI: 1. <i>Collecting and promoting best practices of running and revitalizing Chapter; and 2. Encourage close cooperation within Chapter</i></p> <p>Action: Identify your availability using Doodle link below. When: by 25/04/2022. Who: All</p> <p>https://doodle.com/meeting/participate/id/bW6nY1Ja</p>

2. Hold online Chapter events or cross-chapter events, by leveraging DL resources, based on the mutually beneficial time zones (EU, USA, Asia, etc).
Action: register your plan with Bing and Sheng. **When:** by 01/06/2022. **Who:** All

Comments: we try to retain online format and promote the events at conferences, on social media, PELS Website and on other relevant platforms (such as LinkedIn).

3. Hold joint events with cross-society collaboration within and beyond IEEE (such as IET, DER) to improve our identity and encourage multidisciplinary research.
Action: Reaching out and identify interests. **When:** by 01/08/2022. **Who:** All.

Comments: Encourage cross-society collaborations which includes but not limited to those societies representing transport, space, electric network, and robotics.

4. Promote Chapter support to and encourage collaboration with Student Branch and Student Branch Chapter by leveraging opportunities of the online and offline events.
KPI: *Support the formation and successful operation of Student Branches and Student Branch Chapters.*
Action: register your plan with Bing and Sheng. **When:** by 01/09/2022. **Who:** All.

Comments: All committee members can take the advantage of participating conference presentations such as PEMD 2022 (Newcastle), DMC 2022 (Bath), and WiPDA Europe 2022 (Warwick) to promote Chapter by distributing Chapter Tool Kits (PELS Logo, Brochures, Note Pads and Pens) and/or integrating a one-page ppt advert in their presentations). Please check with Bing and Sheng on the one-page ppt template.

Comments: New and renewing IEEE students and graduate students can now save 50% on their membership dues (New members only) by using the promotion code FUTURE50 during the online check-out process for joining the IEEE members.

5. UK&I Chapter BEST Doctoral Thesis Award 2020/2021 and Award Winners Talk

Action: To establish the Award Panel. **When:** by 01/06/2022. **Who:** Doctoral Thesis Award Panel.

Comments: Committee members can volunteer to lead and assist in reviewing candidates' thesis. Award winners are invited to give a PhD thesis talk.

6. Distinguished lecturers talk/Workshops/Summer schools

Action: AGM Discussion . **When:** by 01/10/2022. **Who:** Volunteering members?

Comments: We might generate more impact and benefit more members if we have cross-chapter collaborations, for example IES, PES, IAS, etc. to organise workshops or summer schools.

7. Set up LinkedIn group page for communication, if it is frequently used by members.

Action: Establishing the group. **When:** by 15/03/2022. **Who:** Bing and Sheng.

Comments: The Group goes live now and can be accessed using the link below.
<https://www.linkedin.com/groups/12644264/> or by searching the group name (IEEE UK and Ireland Power Electronics Chapter). LinkedIn Group might be an effective tool to connect us all and share new ideas and events.

8. Chapter communications and quarterly report.

Action: Bing attend PEMD'22. **When:** TBC. **Who:** ALL.

Comments: Despite virtual online meetings, it will be ideal if we could meet in-person through any conferences. Quarterly Chapter Report will be generated by Bing and Sheng. We welcome all activities and new plans relevant to running the chapter to be shared via the Chapter Report.

9. AoB



United Kingdom and Ireland Section

Comments: all comments and visions to shape Chapter's future development are welcome, which will be shared in quarterly report.

Additional activity plan

A1. Distinguished lecture from Professor Udaya Madawala

Action: Resurrect this. **When:** TBC. **Who:** Sarath

Comments: To confirm with Sarath if Professor Udaya Madawala is still on the 22-23 PELS DLs list.

<https://www.ieee-pels.org/distinguished-lecturers/pels-dls>

A2. Joint Workshop with University of Rwanda, Rwanda Electricity Group (similar to former CEGB), ASRC Power and VW Rwanda. Also an IEEE subsection is being formed

Action: Funding. **When:** TBC. **Who:** Sarath

Comments: Time/Location/Meals/Expenses?

A3. PELS also offers a Regional Distinguished Lecturers (RDL)

Action: The PELS will support the RDL's volunteer work by covering transportation expenses up to USD 1,000.

When: TBC. **Who:** Any member.

Comments:

<https://www.ieee-pels.org/distinguished-lecturers/about-rdl>