

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

1. Chapter/Affinity Group:	Photonics Chapter (PHO36)
2. Committee Members	<ul style="list-style-type: none"> ● Richard Pitwon (Chair) ● Aytun Erdentug (Vice Chair) ● Filipe Ferreira (Treasurer) ● Lee Crudginton (Secretary) ● Anastasiia Vasylychenkova ● Greta de Paoli ● Akhil Kallepalli (Media officer)
3. Reporting Officer:	Richard Pitwon
4. Overview of current plan and activities:	<ul style="list-style-type: none"> i. Horizons for Optical and Photonics Emerging Sciences (HOPES) series (A. Kallepalli, A. Vasylychenkova) <ul style="list-style-type: none"> a. Second series of webinars by leading academics in first half 2022 ii. STEM Young Inventors initiative (R. Pitwon) <ul style="list-style-type: none"> a. Collaboration with London patent firm Beck Greener to develop Young Inventors scheme b. R Pitwon will co-organise and co-chair IP review panels at Big Bang Fair in June iii. NPL Joint Conference on Quantum Technologies – 13th – 14th September (R. Pitwon) <ul style="list-style-type: none"> a. Two-day in-person event at NPL, Teddington. b. IEEE support to NPL run conference with IoP publishing proceedings iv. Distinguished lectures (tbd)
5. Key Achievements and member value/services to date:	<ul style="list-style-type: none"> ● ITU/IEC/IEEE Joint Symposium on Standards for Quantum Technologies on 23rd March 2021 (R. Pitwon) ● ITU/IEC/IEEE Joint Symposium on Quantum Transport on 28th April 2021 (R. Pitwon) ● ITU/IEC/IEEE/ETSI Joint Symposium on Harmonisation of Terminology in Standards for Quantum Technology on 23rd June 2021 (R. Pitwon) ● ITU/IEEE/IEC Joint Symposium on Quantum Photonic Integrated Circuits on 2nd November 2021 (R. Pitwon) ● NPL Joint Symposium on Quantum Interconnects and Metrology on 24th March 2022 (R. Pitwon) ● City of London University support “Son et Lumiere” live demo organisations
6. Key Challenges:	<ul style="list-style-type: none"> ● Limited support from section leading to loss of IEEE BICOP flagship conference ● PHO36 to continue supporting larger events and activities where it can, however IEEE loses out by not being the lead organiser on impactful events
7. Deficits/Required Resources:	<ul style="list-style-type: none"> ● Greater budget for larger impactful events



United Kingdom and Ireland Section

8. Actions/Support requested from the Section:	<ul style="list-style-type: none">• Larger consolidated events make a far greater impact on young engineering than the sum of many smaller “trickle” events, which can amount to a false economy• Suggest section focusses on supporting larger meaningful events
9. Action Plan:	<ul style="list-style-type: none">• PHO36 to continue supporting larger events and activities