

Activity & Progress Reporting

Section Autumn Meeting - 27th October 2022

<p>1. Chapter/Affinity Group:</p>	<p>Photonics Chapter (PHO36)</p>
<p>2. Committee Members</p>	<ul style="list-style-type: none"> • Richard Pitwon (Chair) • Aytun Erdentug (Vice Chair) • Filipe Ferreira (Treasurer) • Lee Crudgington (Secretary) • Anastasiia Vasylenkova • Greta de Paoli • Akhil Kallepalli (Media officer)
<p>3. Reporting Officer:</p>	<p>Richard Pitwon</p>
<p>4. Overview of current plan and activities:</p>	<ul style="list-style-type: none"> i. Further in-person and virtual joint symposia on photonic and quantum technologies ii. STEM event with patent firm (possibly Big Bang Fair) iii. Support for ECOC 2023 in Glasgow in particular 9th Symposium on Hyperscale Optical Interconnect as first gender balanced conference. iv. Horizons for Optical and Photonics Emerging Sciences (HOPES) series (A. Kallepalli, A. Vasylenkova) <ul style="list-style-type: none"> a. Further webinars by leading academics in 2023
<p>5. Key Achievements and member value/services to date:</p>	<ul style="list-style-type: none"> • <u>Joint Symposium on Quantum Technologies</u> on 13th – 14th September 2022 (R. Pitwon) <ul style="list-style-type: none"> ○ 2 day, in-person conference held at NPL, Teddington ○ Highly successful event with world-leading speakers in quantum and photonics • <u>NPL Joint Symposium on Quantum Interconnects and Metrology</u> on 24th March 2022 (R. Pitwon) <ul style="list-style-type: none"> ○ Three-hour webinar (well-attended) • Horizons for Optical and Photonics Emerging Sciences (HOPES) webinar (A. Kallepalli, A. Vasylenkova) <ul style="list-style-type: none"> ○ “Biological Application of optical tweezers” – Professor Phillip Jones (UCL) on 25th April 2022 • Support for UCL and Kings College London team’s participation in <u>14th International Physicists’ Tournament in Columbia</u> (A. Vasylenkova) <ul style="list-style-type: none"> ○ Memorable event for talented young UK physicist team
<p>6. Key Challenges:</p>	<ul style="list-style-type: none"> • Early support had been requested in November 2021 for the flagship photonics and quantum conference BICOP 2022 (to be held over a year later), there was no response to repeated requests. As a result the opportunity was lost and BICOP 2022 will not be able to take place. BICOP as a future IEEE event will also cease. This is a pity and a great loss to the UK and Ireland photonics and quantum community as it was a



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	highly successful and popular event in spite of first conference making a financial loss.
7. Deficits/Required Resources:	<ul style="list-style-type: none">• ...
8. Actions/Support requested from the Section:	<ul style="list-style-type: none">• More pro-active support and encouragement from the Section for such initiatives is strongly recommended in future• Better acknowledgement of subcommittee volunteer efforts especially amongst younger volunteers would go a long way to encourage continued volunteer contributions.
9. Action Plan:	