

Chapter/Affinity Group: Photonics Chapter (PHO36)

Reported by: Richard Pitwon (Chair)



Key Achievements & member services in 2021/2022

- [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

Plan of activities for 2022

- **Horizons for Optical and Photonics Emerging Sciences (HOPES) series (A. Kallepalli, A. Vasylichenkova)**
 - Second series of webinars by leading academics in first half 2022
- **STEM Young Inventors initiative (R. Pitwon)**
 - Collaboration with London patent firm Beck Greener to develop Young Inventors scheme
 - IEEE chair will co-organise IP review panels at [Big Bang Fair](#) in June
- **NPL Joint Conference on Quantum Technologies – 13th – 14th September (R. Pitwon)**
 - **Two-day in-person event at NPL, Teddington. IEEE support to NPL run conference with IoP publishing proceedings**

Focus areas (2022-2023)

2021 Goals	2021 KPIs met?	2022 Goals	Challenges to reach KPIs/ Resources
IEEE Joint Symposia	Yes	HOPES series	
City of London University branch support and dissemination	Yes	Two-day joint conference	