

Chapter/Affinity Group: Photonics Chapter (PHO36)

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Key Achievements and member value/services

- **2nd IEEE BICOP (BICOP 2019)** successfully organised and held 11th to 13th December 2019 at the IET London.
 - Over 100 people registered and attended
 - Diverse topics including quantum symposium, photonic integrated circuits, optical communication and sensors
 - Plenary talks by Sir David Payne (Optical) and Sir Peter Knight (Quantum)
 - Very positive feedback from attendees and strong demand for continuation
 - Conference proceedings published on IEEE Xplore
- Support of other conferences including ECOC 2019, Photonex Enlighten 2018

Current plan of activities

- Organisation of **3rd IEEE BICOP (BICOP 2020)** to be held 16th to 18th December 2020 at the IET in London (unconfirmed)
- **Webinars** to be arranged on diverse topics including photonic integrated circuits, quantum communication, quantum computation and medical sensors.
- **Event support** (technical or financial) of related conferences including Photonics Ireland 2020, ECOC 2020, IEEE CPMT Society Japan (ICSJ 2020)
- **STEM outreach** – planned organisation of future photonics roadshow for schools (not to be implemented in 2020)

Focus areas (2020-2021)

Goals	KPIs	Challenges to reach KPIs/ Resources
3rd IEEE BICOP (BICOP 2020)	Increased attendee registration of > 120	Coronavirus concerns / funding
Summer webinars on 3 topics	Attendee registration of at least 150 people	Need IEEE technical support on Webinar organisation