

# 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, Photonex Enlighten 2019, Photonics Ireland 2020, ECOC 2020, 8th Symposium for Optical interconnect in Data Centres, Brazil-Scotland Meetings on Structured Light 2020

## Current plan of activities

- **Frontiers in Science** - 90 minute free lectures by stake-holders in different areas of photonics
- **Web-symposia** – 3-hour sessions comprising up to six 25-minute talks from international stake-holders on diverse topics including electro-optical circuit boards, photonic integrated circuits, quantum communication, quantum computation and medical sensors.
  - 1<sup>st</sup> web-symposium: **IEC/IEEE Joint Symposium on Electro-Optical Circuit Boards held on 15<sup>th</sup> October**
- **Web tutorials** – 2 hour extended deep-dive lecture
- **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
<b>Webinars</b>	Attendee registration of at least 100 people	Need IEEE technical support on Webinar organisation
<b>Web-symposia</b>	Attendee registration of at least 100 people	Need IEEE technical support on Webinar organisation