



MARKET FOCUS SESSIONS

CALL FOR SPEAKERS

We are now in our 18th year and Market Focus has become one of the highlights of the ECOC Exhibition attracting the world's best speakers from industry globally.

Every year Market Focus is the focal point of the show and has become the place to get up-to-date knowledge from across the industry in key technical areas plus the latest commercial trends in optical communications.

We have streamlined our Market Focus sessions to cover the whole value chain of technologies from optical components to optical network providers that span both telecommunications as well as data centre / data communication media services. The Market Focus sessions for 2023 are divided into 5 categories with a session of 2 panels, listed below.

Our advisory committee is composed of industry experts who will be reviewing submitted abstracts to plan another exciting live and in-person Market Focus event in Glasgow 2023.

Chaired by Michael Lebby from Lightwave Logic, the highly industrial and commercially experienced committee includes:

Pierpaolo Ghiggino Industry Consultant, Wladek Forysiak of Aston University, Stephan Neidlinger from Adtran, Daryl Inniss from OFS, Glenn Wellbrock from Verizon, Frank Chang from Source Photonics, Bill Ring from Voyant Photonics, and Karen Liu from Nubis Communications Inc.

If you are interested in speaking at the ECOC Market Focus please visit www.ecocexhibition.com/visit/market-focus/ to submit your abstract stating your company name, position, topic of interest and a 100 word summary of your presentation theme with a title based on one of the topics below, by **Tuesday 13th June**.

MARKET FOCUS 2023 TOPICS

Service providers/media/social companies

1. Impact of social and media on the internet/network
2. State of the optical transport markets (metro, long haul, submarine) and OTN trends
3. Transmission roadmaps (route to 100s Tbps and associated MSAs/standards efforts)
4. Energy Efficient Ethernet and green datacenters
5. Power impact of co-packaging (CPO) vs. pluggable platforms
6. Scaling capacity and growth with DWDM super-channels
7. OTN Design & planning software
8. Embedded network monitoring, testing, and diagnostics
9. Network sustainability

Networking/systems/DC/disaggregated solutions/software

1. Fibre access (5G) and next generation 6G/7G systems
2. Operator business models (regulation, standards, installation, mgt etc.)
3. High speed PON and FTTH solutions (cables, antennas, coherent etc.)
4. Future trends for server/switch designs and architectures in the datacenter
5. Network architectures and wavelength routing and gridless architectures
6. Colourless, directionless, contentionless ROADM networks
7. Network automation and SDN standards/industry groups
8. Network disaggregation: Open terminals, Optical Line Systems, white boxes

Modules/sub-systems/connectors/line-cards

1. Advanced fiber-based connector/interfaces/panels
2. Competitive modules for WDM / high-speed PON
3. PIC based transceivers (pluggable and co-packaged/ CPO)
4. Architecture trends for line cards, faceplate, rack data throughput
5. Intelligent sensors/sensing using fiber communications
6. Agile transceivers (data rate, wavelength, modulation scheme, coherent/coherent-lite, FEC, etc.)
7. Embedded optics/waveguides in pcbs and associated interposers
8. Chip-to-chip communications (fiber and/or optical wireless) Integrated (Black Box) vs. Disaggregated platforms
9. White box networking architectures/trends/ technology platforms

Components/ICs/PICs/fiber

1. Classic component performance (discrete and integrated photonics), ROADMs
2. High speed, low power modulators (polymer, TFLN, plasmonic, Silicon, InP etc.)
3. Tunable and fixed wavelength devices
4. Future PIC trends, roadmaps, complexity with InP, silicon photonics, polymers
5. VCSELs: high speed, arrays, smart pixels
6. Electronics (and associated modulation techniques – PAM, QPSK, QAM etc.) for lightwave (DSPs, ASICs, computational processing)
7. Advanced packaging trends (low cost, high speed, volume driven, CoB, FC, interposers) and associated testing techniques

New and emerging technologies

1. 3D structured light and sensing
2. Transportation, remote, and distributed sensing
3. Optical radars or lidar
4. Bio-medical applications
5. Multicore fibre
6. Satellite and free space optics
7. Automotive (LIDAR) sensing optics, beam steering, phased array optics
8. Ultra-short (<10m) distance data communications, AOC and parallel optics
9. Projection optics (home and cinema/conference applications)
10. Novel PICs and photonic devices/materials and platforms
11. Optical switching materials/components
12. New technologies

2 roundtables/panels

1. The race decrease power consumption in the network
2. Pluggable optics vs co-packaging for 104Tbps+ and beyond platforms)



THE ECOC EXHIBITION
2-4 October 2023, SEC Glasgow, Scotland
www.ecocexhibition.com