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MARKET FOCUS

SESSIONS

CALL FOR SPEAKERS

Now in its sixteenth successful year, ECOC Exhibition's Market Focus is one of the focal points of the show and a popular platform to gain industry knowledge and insight into the latest technologies available.

Remote sensing, lidar, and free space optics will be among the latest trends discussed at this year's Market Focus, with a Free Space Optics track set to run for the first time. We are looking forward to continuing the success of Market Focus in 2020 and we are delighted to welcome back the industry experts who make up the ECOC Advisory Committee.

If you are interested in speaking at the ECOC Market Focus please email emma.harvey@nexusmediaevents.com 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 Friday 9th July 2021.

MARKET FOCUS 2021 TOPICS

Photonics integration and digital silicon photonics

- Optoelectronic integration trends and applications
- Progress in silicon photonics and hybrid silicon lasers
- High speed converters and digital signal processors
- Optical and digital signal processing
- Vertical-cavity surface-emitting lasers (VCSELs)
- Optical Intergrated circuit and ASIC/DSP development
- Chip-to-chip communications
- Small form factor & coherent pluggables
- CMOS vs. InP photonics
- Beyond the gold box
- Co-packaging solutions
- PAM4 and other symbol encoding schemes
- Chip-on-board and board mounted optics

Fibre access

- The global fibre to the X market
- Operator business models (regulation, ...)
- FTTX solutions for multi-service offerings
- Low-cost components for WDM / high-speed PON
- Coherent transmission in access networks
- Innovative cable installation and management methods
- Optical back/mid/fronthaul for mobile
- 5G optical interface and modules
- Fibre to the antenna for 5G mobile networks
- Optical cable access networks
- Photonics role in Internet of Things

Service and content provider optical transmission

- State of the optical transport market
- 100G 400G, 400+G and 800G transmission standards
- 100G for metro networks
- Copackaging vs. pluggable
- Scaling capacity with DWDM super-channels
- Optical Transport Network (OTN)
- Intersatellite communication
- Design & planning software
- Testing high-speed services, networks and components
- Embedded network monitoring and diagnostics

Optical Network Agility/Software Defined Networking

- Network architectures and wavelength routing (w/ filters, filterless, ...)
- Colourless, directionless, contentionless ROADMs
- "Gridless" networking: an emerging requirement?
- Agile transceivers (data rate, modulation scheme, FEC, ...)
- Network automation and SDN standards/industry groups
- Network disaggregation: Open terminals, Optical Line Systems, white boxes

New emerging markets and technologies

- 3D sensing
- Transportation sensing
- Consumer products
- Remote sensing / distributed sensing
- Optical radars or lidar
- Bio-medical applications
- Plastic optical fibre and in-home cabling
- New technologies and applications
- Satellite Optical Networks and Related Technologies

Free space optics

- Satellite and space optics
- 3D and Structured sensing optics
- Short distance (LIDAR) sensing optics
- LIDAR for automotive optics
- Data communications (internet distribution)
- Ultra short distance data communications
- Phased array optics and beam steering
- Projection optics (home and cinema/conference applications)
- Photonic devices/chips/components/fiber amplifiers for free space

Datacenters: Optics in Cloud Computing

- Datacenter switching
- High density multi-Tb/s optical interconnect
- 100G/400/800 GbE optics
- Parallel optics and active optical cables
- Energy Efficient Ethernet and green data centres
- High-performance computing requirements
- Integrated (Black Box) vs. disaggregated (White Box) Networking

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Speakers in 2020 included:

Source Photonics

Supriyo Dey

II-VI

Sanjai Parthasarathi

Corning

Roshene McCool

Huawei

Dr. Christopher Janz

Arista

Andreas Bechtolsheim

OIF

Karl Gass

Market Focus Committee

The Committee is the decision-making force behind the presentation selection process and includes representatives from across the optical communications space - telecom operators, system vendors and component manufacturers to industry analyst groups and independent industry bodies.

Chaired by Michael Lebby from Lightwave Logic, the experienced Committee includes: Pierpaolo Ghiggino Industry Consultant, Wladek Forsysiak of Aston University, Stephan Neidlinger from ADVA, Daryl Inniss from OFS, Glenn Wellbrock from Verizon, Frank Chang from Source Photonics and Bill Ring from Voyant Photonics.

Deadline for entries
9th July 2021