



## **Linear Drive Enables Green All-Optical Connectivity for Datacenters**

Data-intensive applications constantly emerge along with the development of 5G, big data, and cloud computing, and further drive the development of the digital world. The resulting surge in data places increased strain on network bandwidth.

The evolution from Pluggable to Optical Input/Output (OIO) brings optical components closer to switching application-specific integrated circuit (ASIC) chips, significantly reducing per-bit costs and improving energy efficiency. However, the CDR/DSP-based architecture still faces heat dissipation challenges caused by highly concentrated heat sources. In response, the industry is considering the introduction of Linear Drive Transceiver technology to lower power consumption, latency, and costs, especially for applying pluggable optics and OIO optics in data centers.

**In view of this, the International Photonics & Electronics Committee (IPEC) and LightCounting will hold a global webinar on March 21, 2023.**

### **Speakers include:**

**Li Junjie, IPEC**

**Vlad Kozlov, LightCounting**

**Janet Chen, Meta**

**Man Jiangwei, Huawei**

**Craig Thompson, Nvidia**

**Jeff Hutchins, Ranovus**

**Ryan Latchman, MACOM**

**Frank Chang, Source Photonics**

**Peter Winzer, Nubis Communications**

**Time:** 09:00-11:00, March 22, 2023 (CST - China)

17:00-19:00, March 21, 2023 (PST - USA)

**Registration:** scan the QR code or click the link below to register,  
[https://us02web.zoom.us/webinar/register/WN\\_BAseVbuMSSGni1XEix7Z5A](https://us02web.zoom.us/webinar/register/WN_BAseVbuMSSGni1XEix7Z5A)



#### About IPEC

IPEC ([www.ipec-std.org](http://www.ipec-std.org)) is an international standards organization that is committed to developing open optoelectronic standards and delivering strategic roadmap reports. IPEC focuses on standardizing solutions in optical chips, optical/electrical components, and optical modules. Markets addressed by IPEC include 5G, IoT and AI. IPEC is open to any interested party who wishes to join. All members have the opportunity to participate in developing all IPEC standards and reports on a non-discriminatory basis. The process of developing these standards and reports is transparent to all members. IPEC is registered in Switzerland.