

Press Release

CompoundTek Presents Next Phase of Real-World Applications in Silicon Photonics Tapeout at OFC 2020 with Mentor and Lumerical

Singapore, February 21 2020 - CompoundTek, a global foundry services leader in emerging silicon photonic (SiPh) solutions announces its showcase of a seamless, integrated design flow that equips customers with what is needed for real-world tape-out jointly with leading Electronic Design Automation (EDA) vendor Mentor, a Siemens business, and leading photonic simulation software provider Lumerical.

Previously unveiled in December 2019 via a joint webinar hosted with Mentor and Lumerical, the recorded session can be viewed in English and Chinese, ahead of OFC 2020, on both Mentor and Lumerical video sites.

The demo at OFC 2020 will:

- Provide an overview of CompoundTek's world-class foundry services and silicon photonics PDK featuring a full suite of active and passive devices
- Demonstrate Mentor and Lumerical's PDK-centric design flow by taking a PAM-4 circuit from layout to simulation
- Include an additional showcase of Mentor's photonics implementation solutions including Tanner™ L-Edit Photonics software and LightSuite™ Photonic Compiler.
- Launch Lumerical's PAM-4 circuit simulation in INTERCONNECT directly from Tanner L-Edit Photonics

The circuit is reproduced in INTERCONNECT with CompoundTek's compact model library (CML).

Discover how this can be analysed with both the frequency and time-domain simulations and to better appreciate the physical verification of the circuit with Calibre DRC.

Join us and launch your design tapeout journey at OFC 2020 booth #6206, San Diego Convention Centre.

Contact CompoundTek (enquiries@compoundtek.com) for more details.

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About CompoundTek Pte Ltd

Founded and supported by industry veterans and technologists, Singapore-based CompoundTek combines world-class commercial foundry with leading silicon photonics (SiPh) research institutes to provide cutting-edge SiPh technologies that enhance foundry services capabilities. As one of the elites offering SiPh solutions internationally, CompoundTek brings to the marketplace revolutionary semiconductor applications designed to meet critical requirements in high bandwidth and high data transfer solutions particularly in emerging connectivity driving Industry 4.0. The company's in-depth know-how includes end-to-end technologies - from proprietary fabrication process expertise to product design support with strategic partners and extended services for end-product manufacturing. CompoundTek's global customers span leading brands and FORTUNE 500 companies in high-growth industries including artificial intelligence, automotive, bio-medical diagnostics, data centre, lidar, smart sensor, telecommunication and quantum optical computing. Visit www.compoundtek.com for more information.

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Note: A list of relevant Siemens trademarks can be found [here](#).