Network with fellow industry and thought leaders, as well as potential investors and the media.

Share more details of Lumai's ground-breaking optical computing technology and how it can best support next-generation AI.

Learning more about other hardware developments across AI and machine learning.

The rapidly evolving developments & innovations of AI are leading to a massively growing demand for extremely high levels of compute power that will not be possible to serve with current digital electronic technologies, noting the continued “decline” of Moore’s Law.

Optical compute technology from the likes of Lumai will enable a paradigm shift in compute power at data centers supporting cloud computing, offering orders of magnitude improvements in performance and power efficiency.

Generative AI, though extremely powerful, is just one example of AI that needs incredible levels of compute power and corresponding energy to drive it. However, it is a great showcase of the need for a new paradigm — a technology that is inherently scalable to support massively growing innovation and performance requirements, and yet also extremely power efficient.

We can expect to see an acceleration of ultra-high-performance optical hardware that takes a sustainability-centric approach, using light for rapid, highly efficient inference computation and training.

In the case of Lumai, with speeds capable of 1000x faster than traditional electronics — while using just 1/100th of the power — its unique optical compute technology is a game changer supporting the rapid innovation and development of AI.

Tim Weil
CEO - LUMAI

ATTENDEE SPOTLIGHT

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MY THOUGHTS ON ML HARDWARE AND SOFTWARE INFRASTRUCTURE ACROSS THE CLOUD-EDGE CONTINUUM:

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HOW I SEE THE INDUSTRY CHANGING WITH THE INTRODUCTION OF GENERATIVE AI:

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