ATTENDEE SPOTLIGHT

Tim Weil
CEO - **LUMAI**

OBJECTIVES FOR ATTENDING:

- **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**.

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

- 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**.

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

- 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**.

REGISTER TODAY TO JOIN TIM IN SEPTEMBER!