

**TY Lin**

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## The Impact of Edge AI – Opportunities and Challenges

Analytic AI has improved our daily lives in scenarios such as data classification, detection, and recognition. The recent boom in generative AI will have an even greater impact in every aspect of our lives. Analytic AI displayed a trend where applications were initially run in the cloud and then migrated to edge devices for a better user experience. Most generative AI applications require much higher computing resources and are currently executed in the cloud. This keynote will explore the trend toward edge computing for analytic AI, and the opportunities and challenges for future generative AI.

### BIOGRAPHY

TY received both his Bachelor's and Master's degrees from National Taiwan University. After completing his military service in the Navy, he joined MediaTek in 1999 as a digital signal processing (DSP) engineer. He was a founding member of the team behind MediaTek's DVD Player system-on-a-chip (SoC), which achieved a worldwide #1 share in 2002 with the most design awards of any global tier-one brand. Since 2004, TY has managed teams such as DTV SoC, Android TV, PQ engine, and computing platform architecture engineering. He currently leads MediaTek's central AI teams, where his responsibilities include AI processor design, AI software, and AI algorithm development for various product lines, including smartphones, smart TVs, smart cameras, automotive, and AIoT.