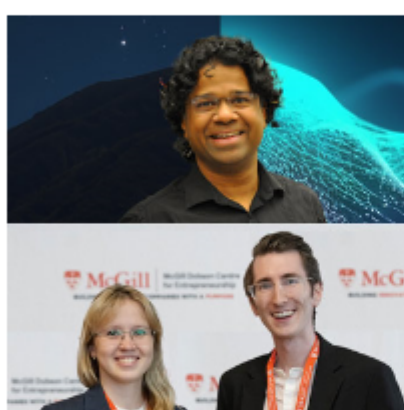




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Zubin Jacob, Purdue University Elmore Associate Professor of Electrical and Computer Engineering, discusses the convergence of thermal imaging and artificial intelligence. The recently developed heat-assisted detection and ranging (HADAR) technique offers performance advantages in low-light environments, in which other modalities face drawbacks. Also, we speak with TRAQC's **Mariia Zhuldybina** and **Benjamin Dringoli**. The company recently took first place in the 2024 SPIE Startup Challenge. TRAQC's solution leverages THz light, offering real-time inspection capabilities for printed and additive electronics.

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