



Vikram Seshasai

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LASERS IN OPTICAL COMMUNICATION

Lasers are an integral part of optics finding applications across the spectrum. In optical communication systems, lasers have to navigate multiple challenges of long distances and the ability to transmit large data rates, without losing the integrity of the data. In this talk, we will explore the internals of the laser, as the challenges of low real estate and high data rates make it an extremely complex system to design. We will also look at the evolution of lasers over time, and how higher rates are being packed into smaller devices.

JAN

10th

2025

TIFRH Auditorium 16:00 Hrs

Tea/Coffee 15:45 Hrs