

Sample Text – Samartha Raj – sgopashetty

How to Scale Silicon Photonics

To scale silicon photonics in 2026 and beyond, the industry is focusing on:

1. **Higher-bandwidth transceivers (200G → 1600G)**
2. **Co-packaged optics (CPO) for bandwidth density & power efficiency**
3. **Automated PIC packaging & testing**
4. **III-V + Silicon heterogeneous integration**
5. **Monolithic photonic-electronic integration**
6. **Stronger manufacturing ecosystem and supply chain**
7. **Photonic interconnects for AI and HPC scale-out**