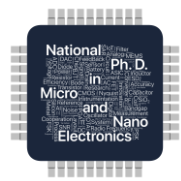




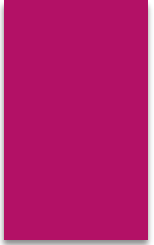
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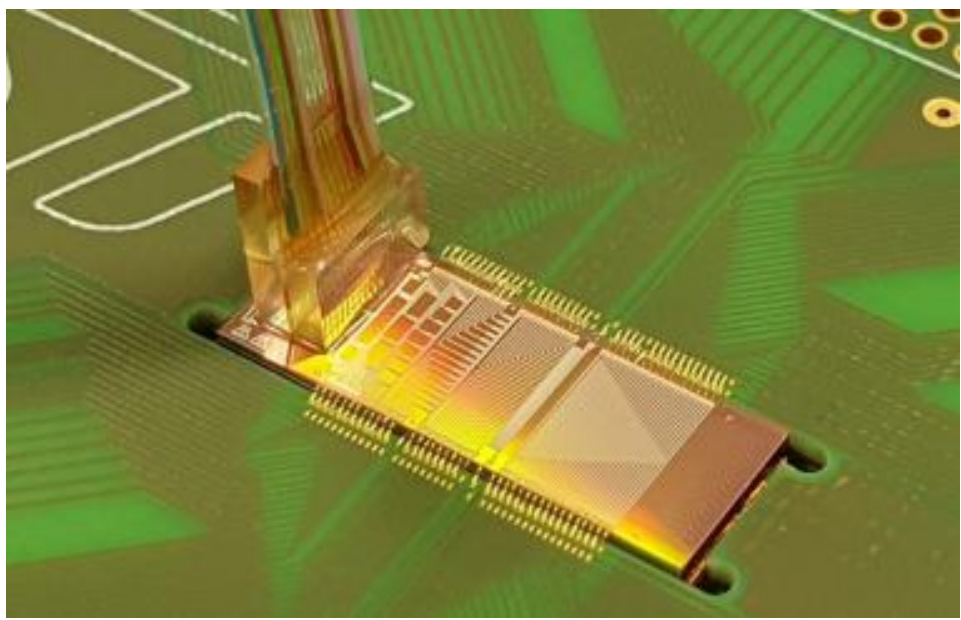


April 3rd 2024, 4PM
Magenta Seminar Room
Dept. ECBE, D Floor



Advanced R&D on Silicon Photonics for Emerging Applications

Antonio Fincato (STMicroelectronics)



Abstract: Silicon photonics has been developed in ST leading to PIC25G and PIC50G technologies, up to the PIC100G which is the current technological node in development. Initially aiming at supporting datacenter applications, in recent years there has been a growing interest in new types of applications. After a description of ST's Silicon Photonics 300mm platform, its main components and applications will be described, starting with Datacom and continuing with emerging applications in sensor and quantum photonics.