



UNIVERSITA' DI PAVIA



**Dottorato di Ricerca in Ingegneria Elettronica
Informatica ed Elettrica**

IEEE Photonics Society Italian Chapter

AVVISO DI SEMINARIO

Semiconductor lasers for high bit-rate optical communications

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Internet and intranet data traffic constantly increased during last years, and the consequent band demand is pushing research and development of high speed optical modules operating at 17 Gb/s (Fiber Channel applications, FC) and 40 / 100Gb/s (Gigabit Ethernet, GbE). Main requirements of such transmitters are high performances, reliability, power consumption and manufacturability. Talk will report semiconductor laser sources suitable for such demanding applications, underlying the key technologies, and benchmarking the results proposed by the world's most important research centers.

Lunedì 22 giugno, ore 11, aula E7

I dottorandi e tutti gli interessati sono cordialmente invitati.

L'organizzatore
Prof. V. Annovazzi

Il coordinatore del dottorato
Prof. G. Conciauro