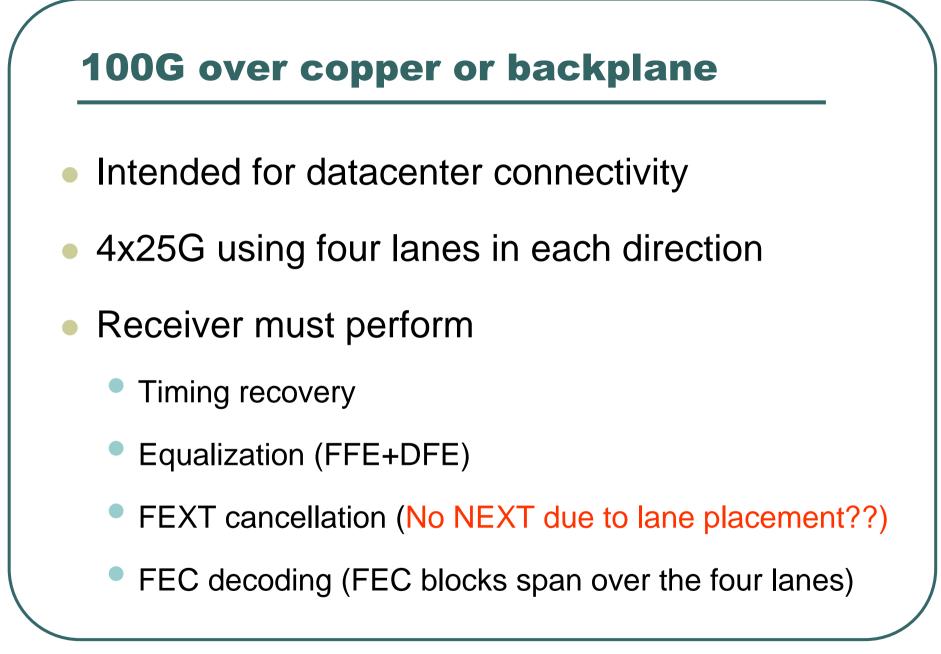
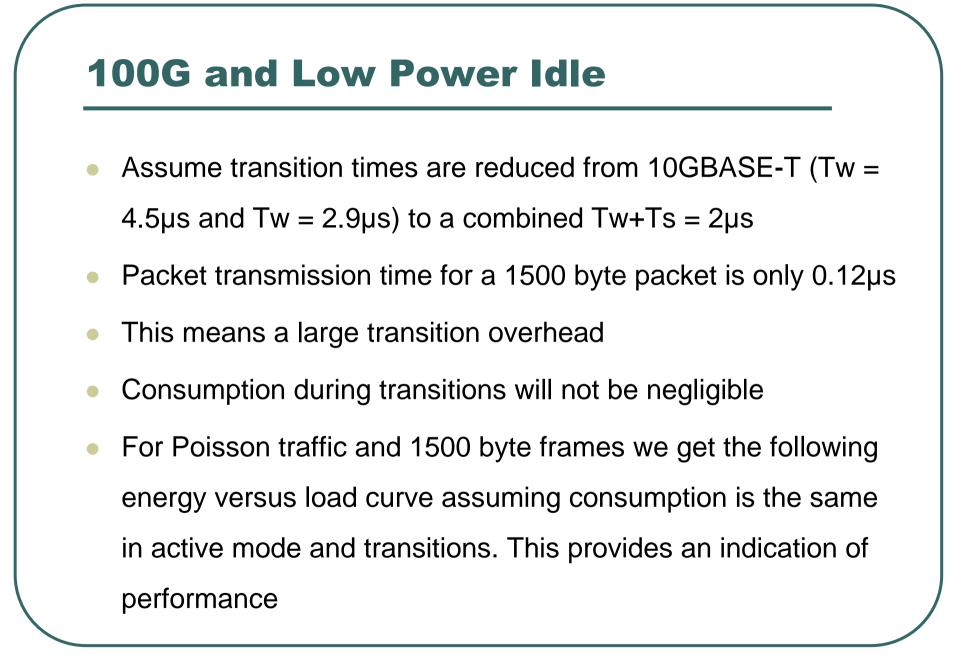
## Energy Efficient 100G Ethernet with Modular Low Power Idle

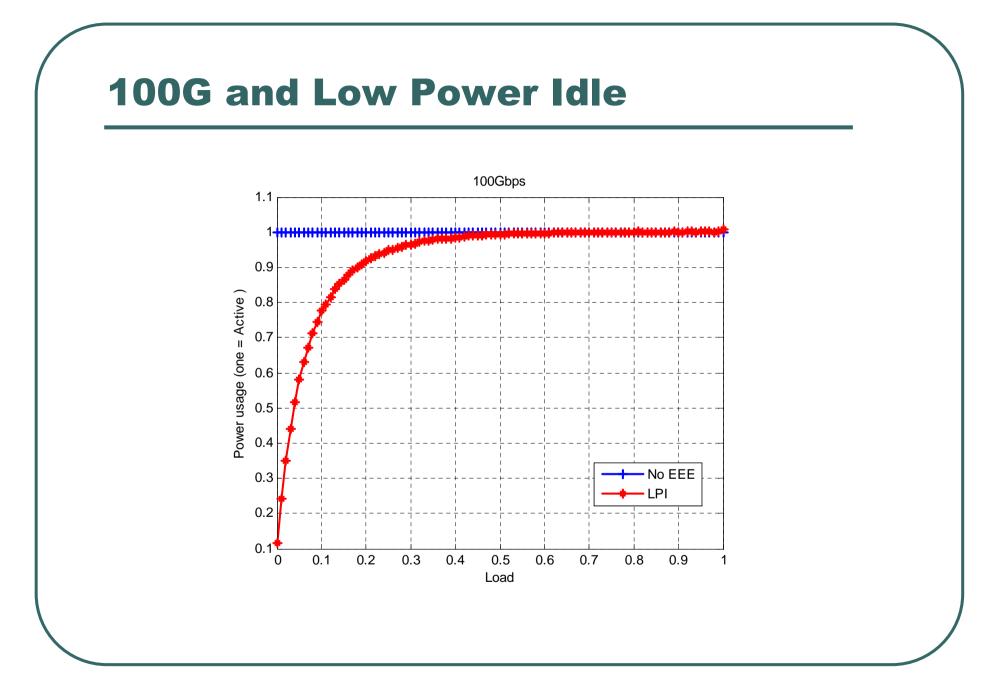
September 2011

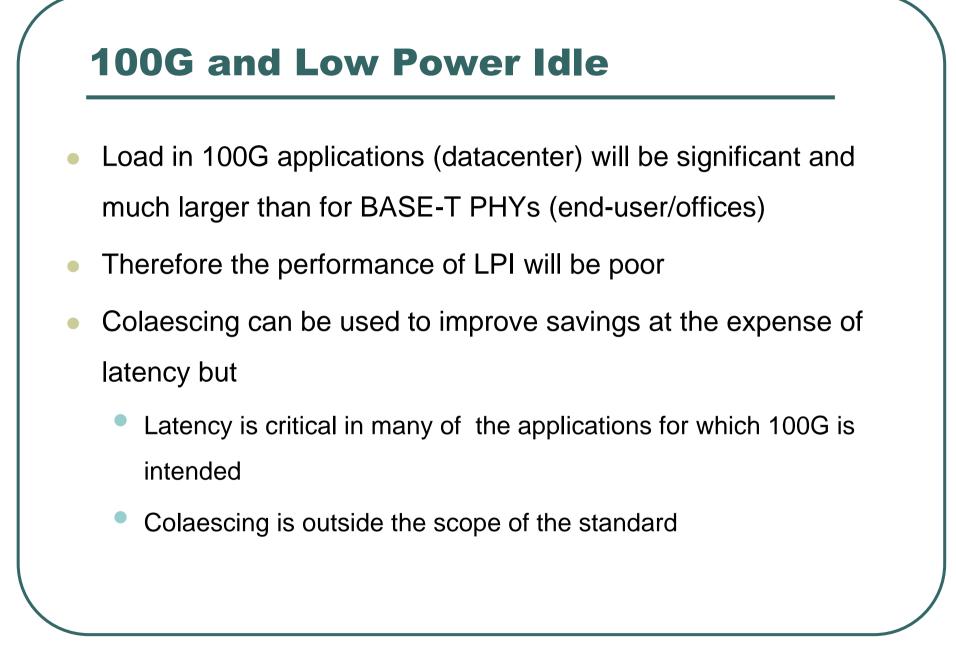


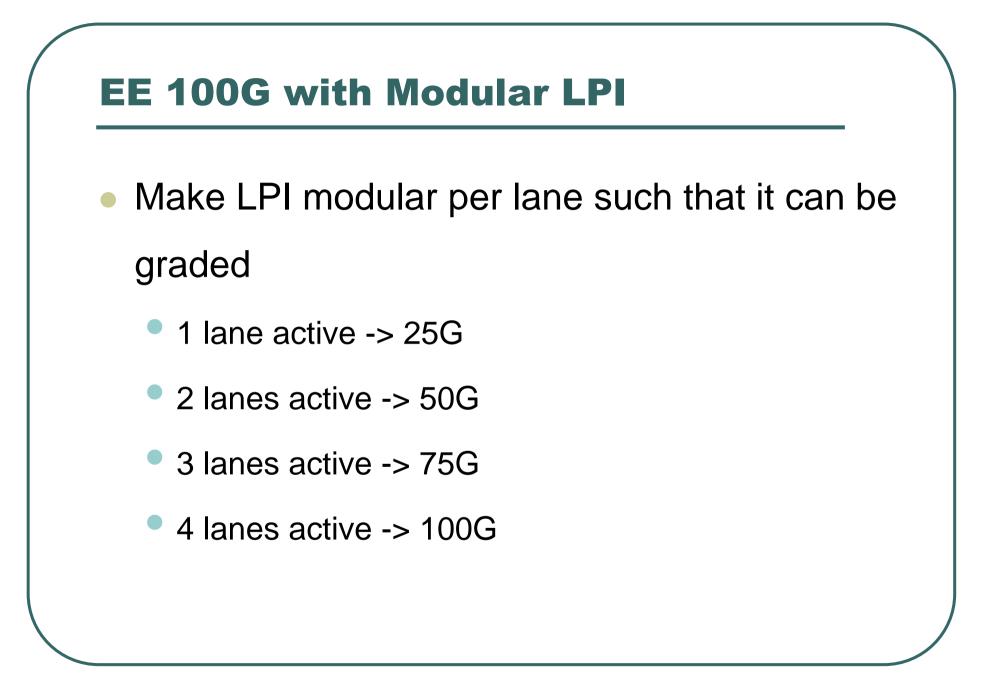
Universidad Antonio de Nebrija











## **EE 100G with Modular LPI**

## Advantages

- More energy savings
- Transition time to add a lane once a lane is active will be much lower (timing is acquired on the first lane)
- FEXT will not consume power (estimates for savings ??) when the rest of the lanes are off
  - Four lanes active -> 12 FEXT cancellers
  - Three lanes active -> 6 FEXT cancellers
  - Two lanes active -> 2 FEXT cancellers

