Calient Background

Prof. John Bowers  Prof. Dan Blumenthal  Charles Corbalis, CEO

Founded 1999

- Prof John Bowers, UC Santa Barbara
- Prof Dan Blumenthal, UC Santa Barbara
- CEO Charles Corbalis (Stratacom, ...)

- Calient Networks
Calient Optical Switches

- 320x320 Singlemode Switching Ports with 1.5 dB Median Loss
- 3D MEMS Mirror Arrays
  - Rotate in 2 axes for 3D switching

![Diagram of Calient Optical Switches]

- Collimator
- Fiber
- Mirror
Reconfigurable backplane for Optical Packet Switching
Opportunity to participate with world-class research team (Principal Investigator Prof. Blumenthal)
Technology developed under program led to significant future opportunities

64x64 optical switch
~1 W electrical