

## **On-Chip Electromagnetics Lab**

**Mission:** Develop electromagnetic solutions for future high-speed IC design across digital, analogue, RF, and mixed-signal technologies. Advance the frontier of both electromagnetics and high-speed VLSI circuits.

**Equipment list:** The lab currently is equipped with the following high-performance servers:

- One Sun Fire V40z AMD Opteron Server  
32GB memory, 4 AMD Opteron 852 CPUs
- One IBM system x3550  
32GB memory, 2 Intel Woodcrest dual core processors
- Three Dell's PowerEdge 6950s (Sponsored by ONR)  
64GB memory, 4 dual-core 8222SE AMD Opteron processors
- Thirteen Dell 1950 Servers  
32GB memory, two Quad-Core Intel Xeon 5300 sequence processors running at 2.66GHz;
- Three Intel(R) Servers with Xeon(R) CPU E5-2690 v2 @ 3.00GHz, 128 GB memory
- Two Intel(R) Servers with Xeon(R) CPU E5-2690 v2 @ 3.00GHz, 256 GB memory

The lab is also equipped with 16 state-of-the-art PCs, a variety of software, and two networked laser printers.

**Location: Wang 3017**

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