



Nanomaterials Research at Oregon State University ECE Department

Description: Opportunity for a graduate student to participate in a cutting edge research program focused on solid state materials and devices, including directed assembly and device applications of nanomaterials, atomic layer deposition coating of nanomaterials, high-k dielectrics, sensors, reliability, and radiation effects. Upcoming projects include 1) growth, characterization, and device application of semiconductor nanowires, or 2) atomic layer deposition (ALD) and mist vapor deposition of complex novel dielectric thin films for application to thin film transistor devices for transparent electronics.

Qualifications: B.S. or M.S. in either Materials Science, Electrical Engineering, Chemistry, Physics, or Chemical Engineering and a strong interest in experimental work is required. Coursework or experience with semiconductor processing, semiconductor device physics, or materials analysis techniques is desired, but not essential. Some knowledge of surface chemistry, organic chemistry, quantum physics, and biology is beneficial but not essential.

Start date: Fall 2008. Email me for more details.

Support: First year: TA support (includes tuition and monthly stipend); Following years: possibility of RA support (includes tuition and monthly stipend).

Send brief resume (.pdf or email text) and description of interests to:

John F. Conley, Jr.

ONAMI Signature Faculty Fellow

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About OSU and Corvallis: With almost \$200 million in annual research expenditures (~\$27.5 million in the College of Engineering), OSU holds the Carnegie Classification of "Very High Research Activity" (1 of only 2 in the Pacific Northwest) and is a Top 100 research university (#88 in 2005). OSU is located in Corvallis, a community of 53,000 people situated in the Willamette Valley between Portland and Eugene and close to ocean beaches (< 1 hour), lakes, rivers, forests, high desert, and snow capped peaks (< 2 hours), as well as the urban amenities of Portland (just over an hour).

