



Intel Corporation:

Immediate Opportunity for PhD Students!

D1D Process Engineer

Intel D1D, an organization with the charter of ramping Intel's latest Silicon Process Technology from development to high volume, is seeking PhD candidates within the following disciplines for Process Engineering positions:

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|--------------------------|-------------|-------------|
| - Electrical Engineering | - Materials | - Optics |
| - Chemical Engineering | - Physics | - Chemistry |

Engineers are needed in multiple modules (e.g. Litho, Etch, Metals, Thin Films, Implant, Yield, Integration).

Your responsibilities will include but not be limited to:

- Module and/or tool ownership: tool preventative maintenance, management of troubleshooting activities, regular monitoring of tool and process performance, defect analysis and reduction
- Project ownership for improvements in safety, yield, cost, and improved manufacturability
- Working with cross-functional teams to solve process and defects issues during 10/14nm processes TD and ramp
- Interacting with process engineering and manufacturing organizations to drive integrated defects reduction so as to deliver and maintain best in class die yields
- Working with E-test and product engineering groups within yield engineering to drive product performance

Qualifications:

- Doctoral candidates in a listed technical discipline with a demonstrated academic record of excellence
- Must have graduated or will graduate within 9 months from today's date
- Demonstrated experience to rapidly analyze complex process issues and pursue a focused solution path
- Demonstrated experience to summarize complex data sets for technical and nontechnical audiences
- Must be comfortable working hands-on around technical equipment
- Strong verbal and written communications skills
- Strong preference given for candidates with peer-reviewed published papers

Quick highlights of what you can expect from Intel:

- Compensation: Competitive base salary, bonus programs, stock grants and stock purchase programs, a profit share retirement plan, 401(k) retirement plan, and relocation assistance for qualified distances
- Benefits: Several medical, dental and vision plans to choose from, 3 weeks vacation, 10 paid holidays, 8 weeks of sabbatical every 7 years, free beverages and fruit, health and wellness programs, and much more
- Integration and Training: Tuition reimbursement for work-related coursework and certifications, and training from a variety of sources including Intel's My Learning with over 2,400 technical and development courses
- Community: Networking and social events organized through Intel's 'RCGnet' community group

Location: Portland, Oregon