**Process TD Engineer**

**Description**

Job Description: Defines roadmaps to meet requirements, goals and milestones for a new technology process. Defines and establishes flow, procedures, and equipment configuration for the module. Selects and develops material and equipment for the process to meet quality, reliability, cost, yield, productivity and manufacturability requirements. Plans and conducts experiments to fully characterize the process throughout the development cycle. Drives improvements on quality, reliability, cost, yield, process stability/capability, productivity and safety/ergonomic over variables such as material, method, equipment, environment and operating personnel. Develops solutions to problems utilizing formal education, statistical knowledge, and problem-solving tools. Establishes process control systems for the process module and sustains the module through volume ramp. Develops strategy to resolve difficult problems and establishes systems to deal with these problems in the future. Trains production/receiving process engineers for transfer to other factories. Transfers process to high volume manufacturing and provide support in new factory start-up as well as install and qualification of the new production lines.

**Qualifications**

In this position, you will be responsible for sustaining Process equipment in support of D1D's Ramp.

Your responsibilities will include but are not limited to;
- Tool/Layer ownership through Sustaining Excellence
- Responsible for the safety, yield, cost and manufacturability of their modules.
- Working with cross functional teams to solve technical process and defect issues.
- Interacting with engineering and manufacturing organizations to drive process control and defect reduction so as to maintain best-in-class die yields in D1D.
- Working with E-test and product engineering groups to drive product performance.
- Demonstrate experience with good communication skills.
- Demonstrate initiative and evidence of the ability to be self-directing.
- Demonstrate ability to work effectively within and across organizations and lead or participate on team efforts.
- Demonstrate in depth technical knowledge of the process equipment

**Minimum Qualifications**

- You must possess a PhD degree in Material Science, Chemical Engineering, Electrical Engineering, Physics or Chemistry.
- Demonstrate in depth tool and process knowledge and problem solving capabilities.
- Demonstrate experience with statistical process control methodologies and engineering analysis tools.

**Business Group** As the world's largest chip manufacturer, Intel strives to make every facet of semiconductor manufacturing state-of-the-art -- from semiconductor process development and manufacturing, through yield improvement to final test and optimization, and lastly packaging. Employees in the Technology and Manufacturing group are part of a worldwide network of manufacturing and assembly/test facilities.

Contact Dr. Mohammed Hegazy with questions or to apply (mohammed.s.hegazy@intel.com).