Staff Optical Process Automation Engineer (Senior Manager)

Work Location: Singapore or Bangkok-Thailand or Kulim-Malaysia
Quick Apply URL :   http://intel.ly/Photonics
Enquires :   faith.gan@intel.com

Job Description:

As the Sr. Manager of Process Engineering, your leadership and management skills coupled with your engineering background will be used to strengthen our teams' capabilities to drive the development and maintenance of manufacturing processes for Optical Transceivers and Optical Interconnect products. You will be responsible for developing and deploying the packaging and process technology roadmap focused on packaging strategy, process technology roadmaps, and deployment of state of the art, high volume, cost effective NPI and volume manufacturing tools and manufacturing processes to our manufacturing partners. This is a key role that is integral for the Silicon Photonics Business Unit in achieving its business objectives and striving for unparalleled field quality metrics in our industry.

Key Responsibilities:

- Manage, mentor and lead your direct reports to continue to build the strength of the team members. Partnering with program managers, project leads and product owners to ensure solid deliverables for all NPI projects. Set appropriate objectives and promote a culture that supports calculated risk taking, interdisciplinary problem-solving and emphasizes changes that make a difference for the organization and our customers
- Create an effective work environment by providing technical leadership, career development and mentoring for your team. Developing a common vision, setting clear objectives, expecting teamwork, recognizing outstanding performance and maintaining open communications
- Lead by example, a team of process development engineers in the development of various automatic, manual, and semi-automatic assembly equipment and packaging processes and materials for SiPh products
- Active participation in machine specification creation, machine design reviews, milestone reviews, machine acceptance run-offs and troubleshooting/technical problem resolution
- Lead the integration of new products into remote factories - planning, coordinating and managing activities to drive world class manufacturing release and ramp of the new products
- Drive continuous improvements in NPI processes that create efficiencies without compromising quality
- Immersion in product development teams to understand new product architectures and designs; provide leadership for DFx inputs, design reviews, FMEA, system engineering/integration analysis, process reviews. Provide concrete technical feedback to product teams regarding potential technical risks and areas of assembly, packaging and reliability
- Evaluate new equipment and technologies related to SiPh product packaging
- Be an active advocate for Engineering rigor and Manufacturing discipline
- Embrace Intel's culture of customer obsession, One Intel, be fearless, and be open and transparent

Requirements:

- M.S./Ph.D. in Mechanical Engineering, Material Science, or equivalent field
- 8+ years process development experiences in high volume high performance optical module or system manufacturing with minimum 3 years in engineering leadership roles
- Proven track record in building and managing multicultural engineering team in a dynamic, global environment while being a technical hands-on leader
- Demonstrated success in delivering process innovation development projects, delivering new process development projects to time, cost and quality
- Excellent communication, presentation, and resource management skills; Excellent analytical and organization skills
- Response to continual change in priorities, issues and strategy.
- Ambassador for continuous improvement and innovation.
- Previous experience with CAD, tool and/or machine design a plus
- Ability to travel (up to 25%) within Southeast Asia and US

About Intel Silicon Photonics Product Division (SPPD):

SPPD is a division within our Data Platform Group (DPG) and at the heart of Intel's transformation from a PC company to a company that runs the cloud and billions of smart, connected computing devices. SPPD delivers innovation in the Data Center and Beyond. As a leader in silicon photonics, Intel is enabling future data center bandwidth growth and next-generation 5G deployments using smaller form factors and higher speeds, from 100G today to 400G and beyond tomorrow, while providing new platforms for optical integrations and creating a new class of high-speed optical connectivity products.

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For more information, please email faith.gan@intel.com