



## MEMS/CMOS Technology Development Engineer

### Job Description:

Meridian is looking for an experienced engineer who will participate in the conceptualization, design, implementation and refinement of fabrication process flows of MEMS/CMOS devices. This candidate will work in close collaboration with MEMS design and back-end manufacturing teams, facilitate and cooperate with foundry partners and other technical teams within the company, both in Singapore and overseas.

### Basic Qualifications

- Ph.D. in Electrical Engineering, Mechanical Engineering, or equivalent, with at least 2 years of relevant MEMS work experience.
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- MS in Electrical Engineering, Mechanical Engineering, or equivalent, with at least 5 years of relevant MEMS work experience.
  - Knowledge/experience in MEMS fabrication processes, equipment and techniques.
  - Experience in design-of-experiment and recipe characterization / optimization.
  - Experience in maximizing production process efficiency / yield / throughput.
  - Strong fundamental background in mechanics, materials, and/or chemistry.
  - Knowledge of various MEMS device structures and principles of operation.
  - Hands on experience in using layout editing tools.
  - Experience in CMOS fabrication and Foundry communication is a very valuable asset.
  - Experience and prior knowledge in thermal imaging sensors is a big plus.
  - Excellent oral and written communications and presentation skills.
  - Ability to work effectively with a team of engineers and scientists.
  - Ability to work independently and show initiative.
  - Having a self-motivated personality with can-do attitude.
  - Thinking out of the box and proposing solutions rather than continuously complaining about issues.

### Responsibilities

- Communicate with foundry partners, do technical follow up, facilitate communication on a regular basis.
- Keeping close track of manufacturing status, prepare project timeline and ensure timely internal and external delivery.
- Work with a team of MEMS/CMOS designers to develop new product and top level product layout floor plans.
- Documentation and keeping track of foundry and back-end packaging processes and preparing R&D project reports on a regular basis.
- Work together with technical team and provide inputs during design, production, R&D and testing phases. Regularly follow up with the internal R&D projects.

- Helping the design of experiments (DOE) for future capability developments.

**Job Location(s):** Singapore

**Please contact Meridian Innovation (HK) LTD:** [hr@meridianinno.com](mailto:hr@meridianinno.com)