

MEMS Chip Design Engineer

JOB DESCRIPTION:

- Contribute ideas for new designs and improvements to MEMS technologies and processing.
- Design critical experiments, analyze data, develop meaningful conclusions, and produce written summaries of results.
- Perform FEM modeling and simulation analysis of new design concepts and architectures (solid modeling, mechanical, acoustical, flow dynamics, etc...)
- Perform a variety of physical, electrical, acoustical, and optical characterization activities on MEMS devices.
- Work independently and collaboratively, assist on assignments with other engineers as needed.

DUTIES AND RESPONSIBILITIES:

- Design and analysis of MEMS devices and chips.
- Using Finite Element Analysis tools including CoventorWare and COMSOL etc.
- Perform FEM modeling and simulation analysis of new design concepts and architectures (solid modeling, mechanical, acoustical, flow dynamics, etc...)
- Contribute ideas for new designs and improvements to MEMS technologies and processing.
- Perform a variety of physical, electrical, acoustical, and optical characterization activities on MEMS devices.

- Design critical experiments, analyze data, develop meaningful conclusions, and produce written summaries of results.
- Developing analytical models..
- Work independently and collaboratively, assist on assignments with other engineers as needed.

REQUIREMENTS

- MS or PhD degree in engineering (mechanical, electrical, or physics preferred).
- Familiarity with common MEMS/CMOS material properties.
- Knowledge of typical MEMS-CMOS interface circuitry.
- English and Chinese language.

Interested parties can send an email to NicoleKung@aactechnologies.com for application.