Autosilicon

Autosilicon is currently looking for creative and self-driven individuals to fill the position of

FUNCTIONAL SAFETY ENGINEER

Qualifications

- Bachelor's or Master's degree in electrical engineering or comparable.
- Fluent communication in English or Chinese (verbal & written) plus German skills
- Experience in semiconductor product development, understanding in automotive industry incl. ISO26262, IEC 61508 (desirable)
- Friendly communication skills and tender personnel characters

Responsibility

- Deployment of functional safety for technical and business engagement with internal engineering teams, customers and ecosystem partners
- Analysis and development of functional safety features in semiconductor products
- Approach and review of the safety concept or hardware architecture in accordance with safety requirements including customer requirements
- Technical review and confirmation of safety mechanisms against random hardware faults
- Safety analysis (qualitative and quantitative) – FMEA, FMEDA, FTA, DFA
- Configuration and documentation management for all functional safety products
- Coordination and support of confirmation and verification review with internal teams or departments
- Engagement and coordination for product certificate from top-tier global certificate body(CB) satisfying requirements of "independence level 3(I3)" as defined in ISO26262 up to ASIL-D.
- Improvement of the proprietary functional safety management(FSM) processes against systematic faults
- Acquisition of personnel certificate of functional safety engineer from top-tier global certificate body for functional safety competency

Preferred Experience and Skills

- Familiar with ISO 26262 (or comparable standards) including safety analysis
- Experience of development and success of production in semiconductor chipsets
- Proficient skills of ALM(application lifecycle management) tools to implement and improve development process
- Personnel global certificate for functional safety engineer

Location: Daejeon

Safest, Simplest, Smallest