



Job Advertisement

Research and Development (R&D) Engineer / Senior R&D Engineer

JSAB Technologies Limited is a high-tech company specialized in the design, research and development, and sales of **power semiconductor devices**. JSAB is founded and led by a prestigious professor who is an IEEE Fellow in the field of silicon-based power semiconductor devices. JSAB possesses an outstanding technical team which includes PhD holders graduated from prestigious universities, and professional engineers worked in top semiconductor companies in North America, Japan or Taiwan. The technical expertise of JSAB covers technology innovation, device design, process development, failure analysis, quality and reliability assurance, yield control and enhancement, etc. A series of patented technology platforms including **Trench Field-Stop IGBT, Super-Junction MOSFET, and Shielded-Gate Trench MOSFET** have been successfully developed. The products are widely used in a variety of applications such as power management, motor control, etc.

We are currently looking for **R&D Engineer / Senior R&D Engineer**. Major duties include:

- Development of advanced power semiconductor device technologies
- Design of device, process and masks layout
- TCAD simulation
- Process and modules development
- Foundry communication
- Design failure analysis
- Patents application

Requirements:

- Bachelor's degree, Master's degree or PhD in Electronic Engineering, or in Materials Science or Physics with background in microelectronics or semiconductor devices
- Fresh graduates or experienced engineers in the semiconductor industry
- Knowledge in semiconductor devices such as diodes, MOSFETs, IGBTs, etc. will be a plus
- Knowledge in TCAD simulation, wafer fabrication, electronic packaging and device characterization will be a plus

We have offices in the Hong Kong Science and Technology Park (HKSTP), Shatin, Hong Kong, the campus of the Hong Kong University of Science and Technology (HKUST), Clear Water Bay, Kowloon, Hong Kong, and the Hi-tech Park, Nanshan, Shenzhen. We offer good career path, diversified work exposure and competitive remuneration package. Interested parties please send detailed resume with expected salary by email to hr@jsab.com.hk.

Please visit www.jsab.com.hk for more information of the company.