



Job Advertisement – R&D Engineer/ Senior R&D Engineer

JSAB Technologies Limited is a high-tech company in Hong Kong specializing in the design, research and development (R&D), and sales of **power semiconductor devices**. JSAB is founded and led by a prestigious professor who is the only IEEE Fellow in the field of silicon based power semiconductor in the Greater China Region. JSAB possesses an outstanding technical team which includes PhD holders graduated from prestigious universities in North America and Hong Kong, and professional engineers worked in top semiconductor companies in US, Japan or Taiwan. Moreover, JSAB strategically cooperates with the Hong Kong University of Science and Technology to further enhance her R&D capability.

The technical expertise of JSAB covers R&D, 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, Shielded-Gate Trench (SGT) MOSFET, and Planar MOSFET, have been successfully developed. The products are manufactured at top semiconductor foundries and packaging factories to ensure their quality and 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:

- Device and process design
- TCAD simulation
- Mask layout design and drawing
- Process and modules development
- Foundry management
- Design failure analysis
- Patent review and application

Requirements:

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

Our office is located at the beautiful campus of the Hong Kong University of Science and Technology at Clear Water Bay. 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.