

2019

报告人: Dr. Naoto Fujishima, the Chief Expert of Development Division in the Electronic Devices Business Group in Fuji Electric

报告时间: 9:00am to 12:00am on June 25th, 2019

报告地点: 电机楼 408

报告内容: Process Technologies for Power Devices(半导体工艺制备技术系列讲座之一)

Abstract

This lecture will focus on process technologies which is used for providing power semiconductor devices. As introduction, power electronics supported by power devices are introduced as the key technologies for realizing sustainable societies. Then feature of power devices is compared with one for LSI, followed the process of a general semiconductor process flow Next individual process leposition, modules, such as cleaning, oxidation, diffusion, ion implantation, constructions and process flow as well as configuration of equipment. Finally, technologies of the process.

Biography of Speaker

Hokkaido University, Japan, in 1985. After the graduation, he joined Fuji Electric Indiower us and ces of for power devices in end was in charge of the grees in 1998 and 2003, respectively, both from the received M.S. and Ph.D. de rinearica at the University of Teenta General Heis Floritinal and Charge of Solicon and silicon carbide power devices.

In Fusions Casun in Fuji Floritic His current responsibilities include development of Silicon and silicon carbide power devices.

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