

Lab Internship for Overseas Students in Shenzhen Technology University

Internship in Optoelectronics Laboratory (Reference Number: Intern/c/201809/03)

Lab Introduction

We are a research team in Optoelectronics Laboratory, College of New Materials and New Energies, Shenzhen Technology University, Shenzhen, China. To meet the demands of the advanced manufacturing industry and to solve the current problems of material, energy, resources and environment, the College of New Materials and New Energies focuses on establishing a new talent development model for technical talents of applied sciences in the sector of new materials and renewable energies. This laboratory aims to equip students with the basic theories and knowledge on solid state lighting sources, to acquaint them with the operation of the key equipment and analytical instruments in this area, and to further develop their practical abilities in photonics, electronic information and applied computer technology related to healthy illumination, display, optical fiber communication, intelligent control, and semiconductor materials. We are looking for candidates who can help us design new package LED, prepare the sample and complete some experiments.

Your Tasks

1. To design and package LEDs with different spectral content [e.g., monochromatic direct LED, monochromatic phosphor converted, various white correlated color temperatures (CCTs) and color rendering index (CRI)].
2. To design and package Quantum-dot LED and UVLED.
3. To monitor optical parameters such as CCT, CRI, luminous efficacy, color gamut.
4. To write technical docs (including schematic chart) and datasheet of the LED.
5. To prepare teaching/examine documents for the education of students.

Requirements

1. Optoelectronic aptitude and basic problem-solving skills (essential)
2. Basic experimental abilities-desirable
3. Brewing knowledge and quality standards –desirable
4. Previous experiences in a similar role-desirable

Benefits

1. Feel at home. We provide you with a laptop, comfortable working space, free drinks and more.
2. Fun at work and beyond. Join our regular team events - there's always something to celebrate!

Supervisor

Dr. ZHANG Wang

Associate Professor of College of New Materials and New Energies

2003-2007 Ph.D. Degree in Institute of Physics Chinese Academy of Sciences (in condensed matter physics)

2007-2017 Factory Manager in Light source factory of BYD company

Current Research Interest: New type LED package, UVLED package, Perovskite light-emitting device

Academic Achievements: 13 journal papers; 23 invention technology patents



Please send a full curriculum vitae and passport copy together with copies of qualification documents by email

to international_internship@sztu.edu.cn with the email subject as "Reference Number – Job title – Full name of applicant".

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