CareerCross by JAC Recruitment

KOALA Tech Inc.

Organic Laser Device R&D / Electrical Engineer

九州大学発ディープテックスタートアップ企業

募集職種

採用企業名
株式会社KOALA Tech

求人ID
1524761

業種
電気・電子・半導体

雇用形態
正社員

勤務地
福岡県, 福岡市西区

最寄駅
筑肥線 1、　九大学研都市駅

給与
500万円 ~ 900万円

勤務時間
基本8：30～17：30（休憩60分）

休日・休暇
土曜 日曜 祝日 年末年始5日　有給（12～20日）（入社直後2日付与）

更新日
2025年03月07日 16:32

応募必要条件

職務経験
1年以上

キャリアレベル
中途経験者レベル

英語レベル
ビジネス会話レベル

日本語レベル
無し

Business-level communication in either Japanese or English is OK

最終学歴
大学卒： 学士号

現在のビザ
日本での就労許可が必要です

募集要項

Background of Recruitment

Our technology is expected to be a fundamental innovation that brings new value to society, especially as XR devices and

wearable healthcare devices continue to become smaller and lighter. We have already been conducting joint research and development with **Mitsui Chemicals, Inc.** and **Sony Group Corporation**, and in the near future, we aim to collaborate and form partnerships with global companies.

As our **technology development and business expansion accelerate**, we are entering a crucial phase where we will fully launch business development efforts targeting display manufacturers and XR device makers. To lead these activities, we are looking for **highly skilled engineers**.

We are still a **small team with limited resources**, but this means that your contributions will have a **direct and meaningful impact**. This is an exciting environment where you can **take ownership of your work** and experience the rewards of your efforts firsthand. If you are passionate about bringing **a revolutionary Japanese technology to the world**, we invite you to join us on this journey!

Job Description

We are looking for engineers with experience in measuring, designing, and simulating the **electrical properties of semiconductors or organic semiconductor devices**.

In this role, you will be responsible for evaluating the **electrical characteristics of organic semiconductor laser devices** and using the results to **improve product design and simulation accuracy**.

Key Responsibilities

- Evaluate and analyze the **electrical properties of organic semiconductor laser devices**
- Improve **device performance** through design and simulation

Immediate Challenges & Focus Areas

Current Initiatives

- Advancing **OSLD technology** by integrating it with **micro-OLED technology**
- Strengthening our **patent portfolio**

Target Industries

- **OLED Manufacturers**: Companies looking to **enhance OLED display performance** and address emerging market needs
- **Material Suppliers**: Companies providing organic materials for OLED manufacturers
- **Semiconductor Companies**: Firms involved in **circuit design and manufacturing** for micro-OLED silicon substrates

Our Approach

- **Strategic IP Portfolio Development**: Systematically securing patents related to OSLD technology
- **Joint Research with Alliance Partners**: Supporting **performance evaluation, prototyping, and verification**
- **Licensing**: Offering licensing agreements to facilitate the commercialization of OSLD technology

Mid- to Long-Term Challenges

The **ultimate goal** of this position is the **commercialization of organic laser technology**—an ambitious and groundbreaking challenge.

To bring **organic laser technology** to society, we are working on **practical implementation and optimization** for real-world applications. Your **expertise and skills** will play a key role in creating new value and **shaping the future of organic lasers**. Join us in bringing the **world's first devices** to market and making history together!

Why Join Us?

At **KOALA Tech**, you will have the opportunity to engage in **cutting-edge research** in **lasers and organic electronics**, working alongside an **internationally diverse team** to develop **game-changing technology**.

You will also have access to world-class research infrastructure, including the **Kyushu University OPERA Center** led by **Professor Chihaya Adachi**, a leading expert in the OLED field.

By joining us, you can contribute to **pioneering new markets**, driving **next-generation laser device development**, and **realizing the social implementation of organic semiconductor laser technology**.

We have already **collaborated with Mitsui Chemicals and Sony Group**, and we plan to expand our partnerships to **global corporations** in the future. As XR devices and wearable healthcare technology continue to evolve, our technology is expected to become a **key platform** that enables **lighter and more compact devices**.

Be part of a team that is developing **innovative products** that have the potential to **revolutionize daily life** and **change the world**!

Team & Diversity

- **Engineering Team**: 4 members (Japanese, French, Iranian, and Indian engineers)
- **Company Diversity**:
  - 28% of employees are non-Japanese
  - 42% female employees (as of October 2024, including executives)
  - Team includes **PhD holders and professionals from major corporations**, creating a **stimulating environment** for growth

Work Location

Fukuoka, Japan
Kyushu University Academic Research Collaboration Center, Room 215
4-1 Kyudaishinmachi, Nishi-ku, Fukuoka City

Employment Type

Full-time Employee

Trial Period

6 months

Salary & Benefits

Estimated Annual Salary

¥5,000,000 – ¥9,000,000 (Stock options included)

Estimated Monthly Salary

- **¥5,004,000 annual salary** → **¥417,000/month** (Base salary: ¥361,600 + Fixed OT: ¥55,400)
- **¥9,000,000 annual salary** → **¥750,000/month** (Base salary: ¥650,400 + Fixed OT: ¥99,600)

Overtime Pay

Includes **20 hours of fixed overtime** per month. Additional overtime is compensated separately.

Work-Life Balance

Our **engineering team currently works with almost no overtime** . We value **efficiency and work-life balance**, ensuring that employees can **maximize productivity while maintaining a healthy lifestyle**.

Bonuses

None

Salary Increases

Annual review every **May**, based on performance

Remote Work

Primarily on-site work

Hiring Process

1. **Document Screening**
2. **Interviews (2 rounds)**
   - **First interview**: Online
   - **Second interview**: In-person (Face-to-face)
3. **Final Offer Discussion**
4. **Aptitude Test Required**

For candidates outside Fukuoka:

- We offer **flexible interview options**, including **online and in-person interviews**

- Candidates are **required to visit the Fukuoka office at least once** for the final interview
- **Travel expenses for interviews** will be covered
- **Relocation support** may be available (negotiable)

スキル・資格

Requirements

Must-Have Qualifications (Candidates must meet at least one of the following criteria)

- **Experience in at least two** of the following areas:
  - Electrical measurement and analysis of **semiconductor or organic semiconductor devices**
  - Knowledge of **laser devices** with experience in **electro-optical simulation and measurement**
  - Experience in **patent application, research, and analysis** related to the above technologies
- Experience in **organic EL (OLED) research** during university studies or postdoctoral work

Preferred Qualifications

- A **master's degree or higher** in **condensed matter physics, applied physics, optical engineering, electronic engineering, photochemistry, or physical chemistry**
- Ability to **communicate in English** (using **translation tools or dictionaries** to communicate with engineering team members is acceptable)
- Ability to work in a **results-driven environment**, adapt to **changing priorities**, and meet **deadlines**
- Strong **documentation skills**, including writing **internal technical reports** and reports for **external partners**

会社説明