

Assistant Professor position offer in Tsukuba : Wide bandgap semiconductors device technology

Context :

The Japanese-French Research Laboratory for Semiconductor physics and Technology, J-FAST, is opening a 5-year assistant professor position at the University of Tsukuba in Prof. Gheeraert group (NEEL Institute, Grenoble, and J-FAST Tsukuba).

This international lab created in 2016 tightens collaborative scientific activities between CNRS and Université Grenoble Alpes in France, together with University of Tsukuba and Air Liquide Laboratories in Japan, in the field of pure and applied physics and materials science. More precisely it involves a core research program dedicated to fundamental physics and technology of advanced electronic and opto-electronic devices, with a particular focus on atomic scale processing physics and technology.

Objectives :

The assistant professor will develop a research project on wide bandgap semiconductors device technology, including atomic scale processing. He or she will be in charge of a plasma ICP etcher, and will have access to the open facility at University of Tsukuba. He or she will benefit from experts on wide bandgap semiconductor at Grenoble and Tsukuba (Ga_2O_3 , GaN, diamond, ...) and from Air Liquide expertise on gas precursors. All research projects in that context will be considered.

The assistant professor is expected to supervise master and doctor graduate students at university of Tsukuba, including double-degree and exchange students between Université Grenoble Alpes and University of Tsukuba.

Beside its research activity, the assistant professor will be involved in the international lab management. He or she could have a teaching assignment, in English, according his or her preference.

Job title: Assistant-Professor at University of Tsukuba (5-year, non-tenured)

Location: University of Tsukuba, Japan

Required profile :

- Applicants must hold a PhD or equivalent.
- The successful candidate is required to have notable ability to actively create a novel research field in an international laboratory
- The successful candidate should be highly motivated, and willing to participate in the International lab organization's management.

Foreseen start for the position : April 1st, 2023 or later

Salary : Around 400,000 to 440,000 Yen/Month (nominal before deduction)

Duration : 5-year, non-tenured

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