Semiconductor Energy Laboratory 

**Exjobb i unikt japanskt forskningsföretag– fördelaktiga ekonomiska villkor**

**–** semiconductor, electronics device

Semiconductor Energy Laboratory Co., Ltd, SEL, is offering Swedish students (up to three persons a year) a possibility of carrying out master thesis in the company in Atsugi, near Tokyo, Japan. The company has approximately 800 employees, mainly young researchers. Its income comes from contract research and patents. The owner of the company, Dr. Shunpei Yamazaki, holds over 6000 patents, including fundamental technologies for flash memory and future display technology. Dr. Yamazaki is a foreign member of the Royal Swedish Academy of Engineering Sciences (IVA).

The areas offered for M.Sc. thesis (exjobb) are one of the following topics:

1. Image Capturing System
2. 1/f noise in Oxide Semiconductor
3. Foldable OLED Display
4. Image evaluation of OLED display and LCD display
5. Lithium ion batteries

**Financial support:**

The SEL will cover international airfare and offers a salary which covers all normal living costs. The student will stay at the dormitory for the SEL staff, within walking distance from the office. The SEL offers its employees many free time activities such as sports, culture etc.

**Background of the student(s) needed:**

Applied physics, materials engineering, and similar

Programming ability (Especially for topic 1, fundamental knowledge of a circuit simulation and a digital circuit is required.)

Knowledge of Japanese is an advantage, but not a requirement

**Time:** 6 months, April 1st-

**Deadline for application:** February 1st

**Contact:**

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  Sweden Japan Foundation, [edvard.fleetwood@swejap.a.se](mailto:edvard.fleetwood@swejap.a.se) 070 5836873
* 10 previous students from Uppsala University, KTH, Karlstad Högskola and Linköping University

**Note:**

You need to find a supervisor/examiner.

Application form (Sweden-Japan Foundation) and further information available at [www.swejap.a.se](http://www.swejap.a.se)

Application period until this year’s quota is filled (i e apply now!)