

Fellowship at Semiconductor Energy Laboratory – A unique opportunity for Swedish researchers



Participate in leading-edge research and do your own research at **Semiconductor Energy Laboratory Co., Ltd. (SEL)** in Japan sponsored by **Dr. Shunpei Yamazaki – the top patent holder in world!!**

Through the establishment of the “Dr Shunpei Yamazakis Stiftelse” (The Foundation), Swedish researchers are invited to apply for a very generous Fellowship at SEL’s frontier technology laboratory through the Sweden-Japan Foundation (SJF). The purpose of the Fellowship is as specified in the deed:

“The purpose of the Foundation is to combat global warming through technological solutions, especially solutions that already exist or will be developed at Dr. Yamazaki's Semiconductor Energy Laboratories (SEL) in Japan. Funds from this foundation can be awarded as financial support to Swedish researchers who (1) want to participate in research projects at SEL, (2) want to perform their own experiments with equipment at SEL, (3) or a combination of (1) and (2).”

The SEL Fellowship offer:

During the Fellowship period the researcher(s) will have unique, free of charge, and dedicated access to R&D infrastructure, super-computing facilities for material and device simulation, equipment for organic material synthesis, thin-film deposition, nano-device fabrication, and instruments for physical, chemical, optical, and electrical analysis. SEL Staff will provide support as needed. Although SEL has a strong focus on novel battery materials and oxide semiconductors for ultra-low power computing, the Fellowship is not limited to these subjects.

Financial Support:

The Fellowship offer from SEL includes airfare Sweden - Japan w/r and accommodation including Wi-Fi and utilities expense (In principle, single occupancy. Please contact SEL if you come to Japan with your family. Airfare Sweden - Japan w/r will be provided for one person). The Fellowship is based on the 90 days visa-free agreement between Sweden and Japan, which does not allow SEL to pay a salary during the time at SEL.

Duration:

Up to 3 months on site, but the project period can be longer through remote collaboration. Workplace: SEL laboratories in Atsugi, Kanagawa, 1 hour by train from central Tokyo.

Application process:

Applications are made through SJF's application system Apply via SJFs website www.swedenjapan.se.
Application period: May 1 – June 30 yearly. Applications will be evaluated by the Foundation's scientific committee. Number to be accepted: (One (1) per year

About SEL:

SEL is a unique company, engaged in creative R&D and patenting novel technologies. Profits from patent licensing are invested into further R&D and the intellectual property creation cycle. Over the years, SEL has developed some of the world's top-class thin-film transistor technologies through research of low-temperature continuous grain silicon (CGS[®]) and oxides such as *c*-axis aligned crystalline indium gallium zinc oxide (CAAC-IGZO[®]) and crystal indium oxide (crystal IO[®]). SEL's world-wide patent share in these areas is among the highest in the world. In addition to patents, SEL staff and Fellows are encouraged to publish scientific papers and to present at conferences.

Read more about SEL at <https://www.sel.co.jp/en>.

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