


[Home](#)
[People](#)
[Research](#)
[Teaching](#)
[Contact](#)
[Links](#)

Shih-Chii Liu (Co-Leader of Sensors Group)



Research interest

I am interested in brain-inspired algorithms and networks that use the asynchronous timing

information from events in the world. We aim to develop real-time sensory computing systems that make use of novel features centered around the sparse asynchronous and correlated spike information from sensory inputs like the silicon DVS retina and the AEREAR2 cochlea. We look for neural electronic equivalents of these algorithms by implementations in FPGA or in custom silicon, for example, spiking deep networks, and custom aVLSI silicon dendritic circuits.

We hope to develop an understanding of some of the principles used in our brains for robust processing of real-time information.

- [Liu google scholar page](#)
- [Shih-ChiiLiu Publications](#)

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Navigation

[Home](#)
[Biography](#)
[Research](#)
[Alumni](#)


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