

# TAKAMIYA LAB.

[Large-Area Electronics that Consists of Silicon LSI and Various Devices]

Department of Informatics and Electronics

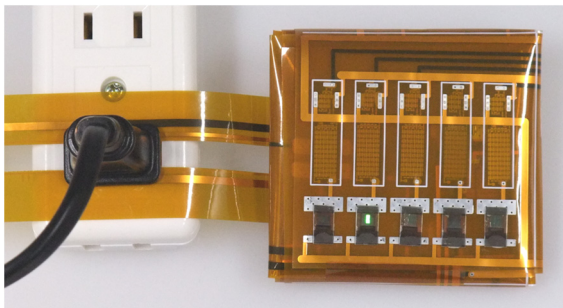
<http://icdesign.iis.u-tokyo.ac.jp>

Versatile LSI System Design

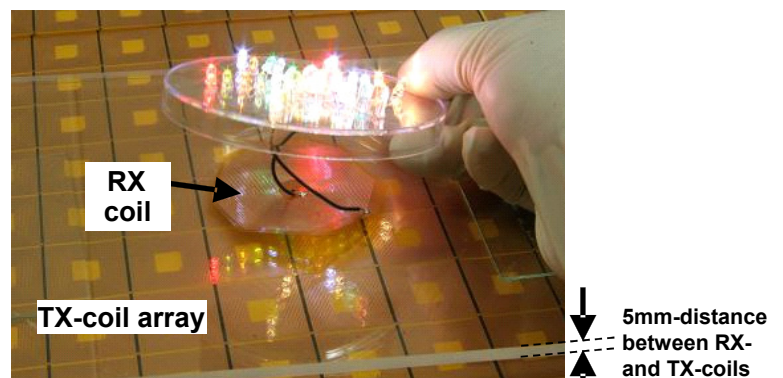
Department of Electrical Engineering and Information Systems

## Large-Area Electronics that Consists of Silicon LSI and Various Devices

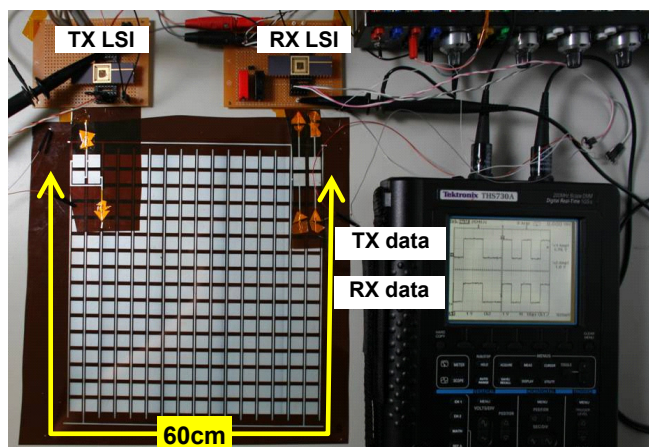
The LSI is very good at processing of information and memory. As the size is small, it is likely not to use the LSI easily as an element for human interface. Thus the laboratory is proposing application of large scale electronics that combines a low cost organic transistor, a MEMS switch, and LSI, and developing the necessary circuit technology. Until now, we have developed a “100V AC Energy meter,” “wireless power transmission sheet,” “communication sheet,” and “insole pedometer with energy harvester.”



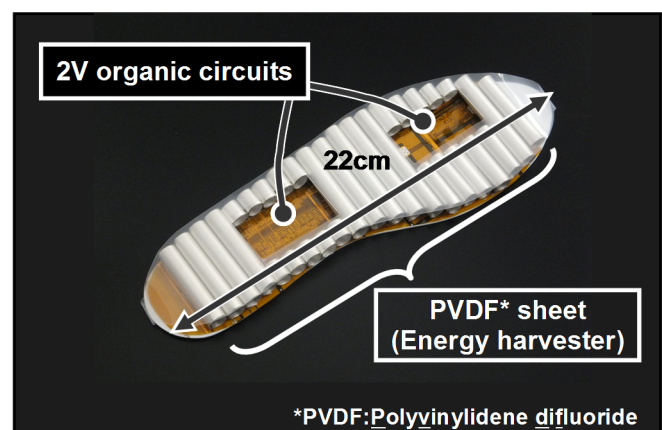
100V AC energy meter



Wireless power transmission sheet



Ccommunication sheet



Insole pedometer