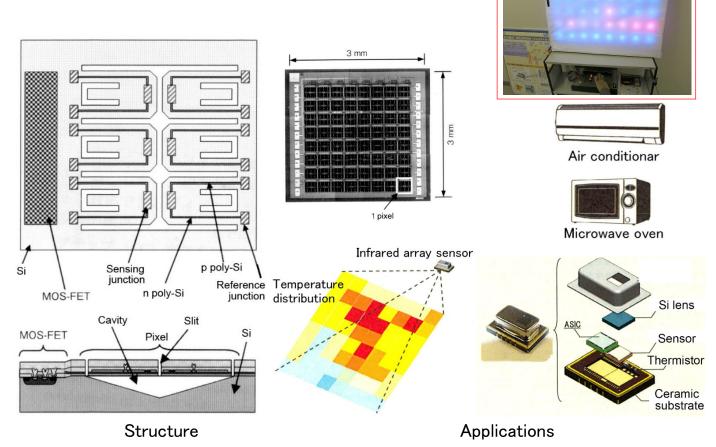
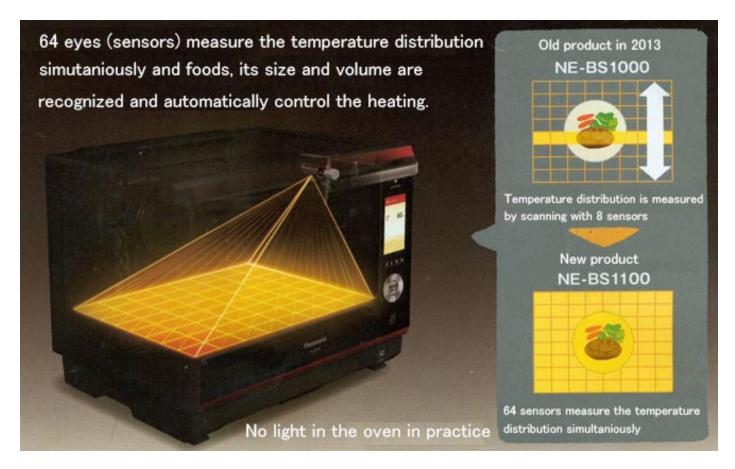
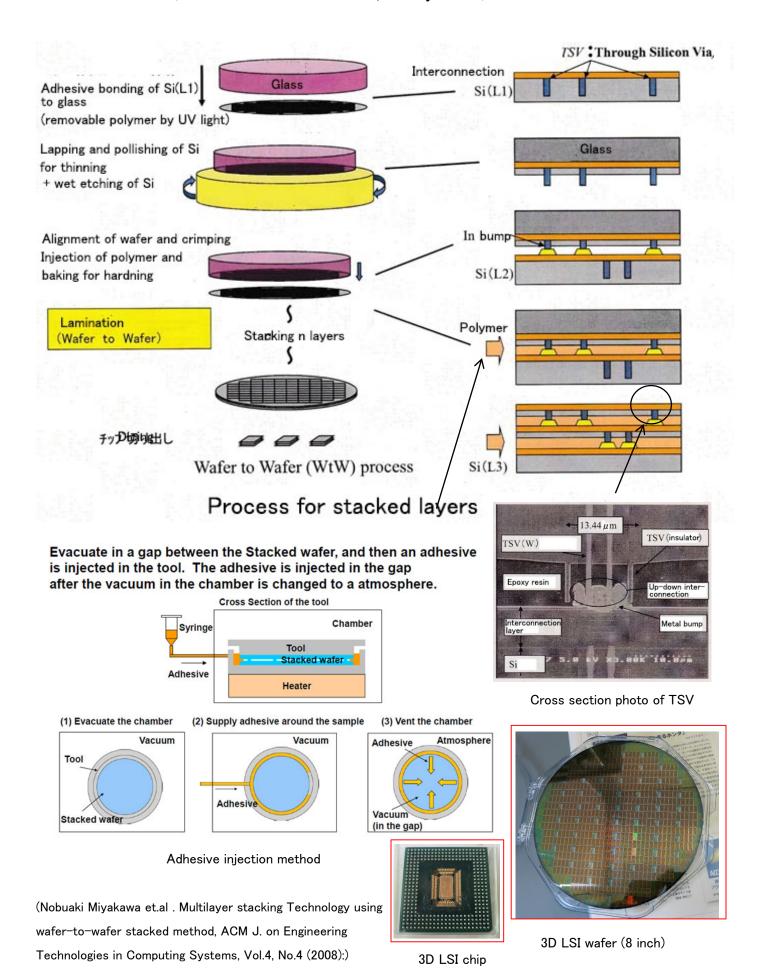
## N1 Infrared array sensor (Panasonic)





Measurement of temperature distribution in microwave oven



## N3 Remote control switch using energy harvester (EnOcean GmpH)



ECO 200 (Not recommended for new designs)

Energy converter for motion energy harvesting

Remote control switch

Energy harvester for the switch

https://www.enocean.com/en/product/eco-260/?ts=1696510449

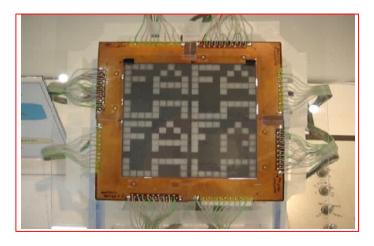


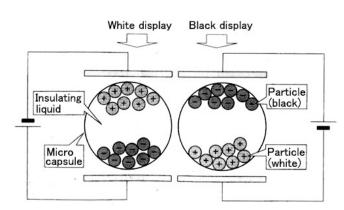


## Application of the remote switch for bus in London

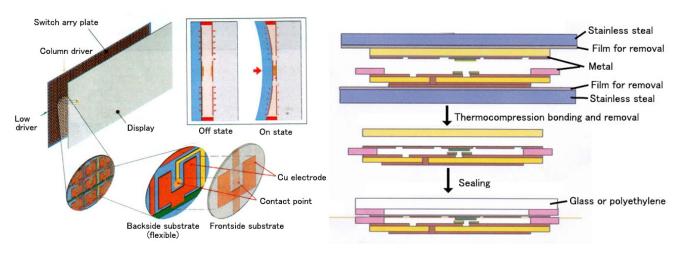
(Kazumi Itagaki (enocean alliance): Battery-less wireless switch and sensor by energy harvesting and applications of MEMS devices, 2012/9/20 Research meeting on microsystem fusion)

N4 Membrane switch array for electrophoresis display and oscillometric blood pressure monitor (E-paper, Tokyo Sanyo Electric Co. Ltd, K. Senda)





Photograph and principle of electrophoresis display



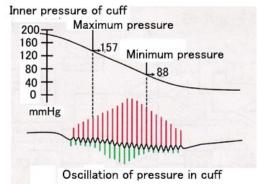
Principle of electrostatic switch and fabrication process

(K.Senda, B.S.Bae and M.Esashi : MEMS Membrane switches Backplane for Matrix Driven Large Sign Display

[The 15th Internl. Display Workshops (IDW' 08), Niigata (2008, Dec.4) 1349-1353]

(K. Senda, M. Esashi: Application of membrane switch array on polymer plate to MEMS display, 25<sup>th</sup> Sensor micromachine and system application symposium, Late news, Okinawa (2008/10/23) 121.





Holter oscillometric blood pressure monitor