



NAVGUJARAT COLLEGE OF COMPUTER APPLICATIONS

(MANAGE BY VIDYABHAVAN TRUST)

(AFFILIATED TO GUJARAT UNIVERSITY)

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PANDIT RAVI SHANKAR



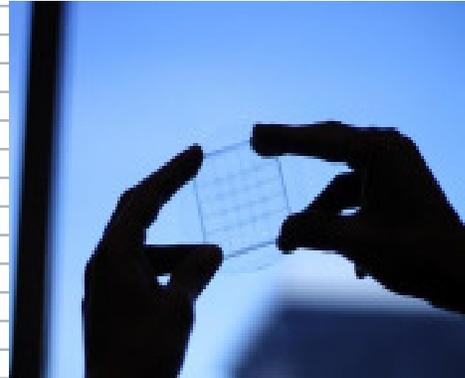
Ravi Shankar, (7 April 1920 – 11 December 2012), born Rabindra Shankar Chowdhury, his name often preceded by the title Pandit ('Master'), was an Indian musician and a composer of Hindustani classical music. He was one of the best-known exponents of the sitar in the second half of the 20th century and influenced many other musicians throughout the world.

Shankar was born to a Bengali family in India, and spent his youth touring India and Europe with the dance group of his brother Uday Shankar. He gave up dancing in 1938 to study sitar playing under court musician Allauddin Khan. After finishing his studies in 1944, Shankar worked as a composer, creating the music for the Apu Trilogy by Satyajit Ray, and was music director of All India Radio, New Delhi, from 1949 to 1956.

In 1956 he began to tour Europe and the Americas playing Indian classical music and increased its popularity there in the 1960s through teaching, performance, and his association with violinist Yehudi Menuhin and Beatles guitarist George Harrison. His influence on the latter helped popularize the use of Indian instruments in pop music throughout the 1960s. Shankar engaged Western music by writing compositions for sitar and orchestra, and toured the world in the 1970s and 1980s. From 1986 to 1992, he served as a nominated member of Rajya Sabha, the upper chamber of the Parliament of India. He continued to perform until the end of his life. In 1999, Shankar was awarded India's highest civilian honour, the Bharat Ratna. [SOURCE : https://en.wikipedia.org/wiki/Ravi_Shankar]

INNOVATIONS

New flexible sensor holds potential for foldable touch screens



Picture a tablet that you can fold into the size of a phone and put away in your pocket, or an artificial skin that can sense your body's movements and vital signs. A new, inexpensive sensor developed at the University of British Columbia could help make advanced devices like these a reality.

This is a closeup of the flexible sensor. Credit: University of British Columbia

The sensor uses a highly conductive gel sandwiched between layers of silicone that can detect different types of touch, including swiping and tapping, even when it is stretched, folded or bent. This feature makes it suited for foldable devices of the future.

"There are sensors that can detect pressure, such as the iPhone's 3D Touch, and some that can detect a hovering finger, like Samsung's AirView. There are also sensors that are foldable, transparent and stretchable. Our contribution is a device that combines all those functions in one compact package," said researcher Mirza Saquib Sarwar, a PhD student in electrical and computer engineering at UBC.

The prototype, described in a recent paper in Science Advances, measures 5 cm x 5 cm but could be easily scaled up as it uses inexpensive, widely available materials, including the gel and silicone.

"It's entirely possible to make a room-sized version of this sensor for just dollars per square metre, and then put sensors on the wall, on the floor, or over the surface of the body -- almost anything that requires a transparent, stretchable touch screen," said Sarwar. "And because it's cheap to manufacture, it could be embedded cost-effectively in disposable wearables like health monitors."

The sensor could also be integrated in robotic "skins" to make human-robot interactions safer, added John Madden, Sarwar's supervisor and a professor in UBC's faculty of applied science.

"Currently, machines are kept separate from humans in the workplace because of the possibility that they could injure humans. If a robot could detect our presence and be 'soft' enough that they don't damage us during an interaction, we can safely exchange tools with them, they can pick up objects without damaging them, and they can safely probe their environment," said Madden.

[SOURCE : <https://www.sciencedaily.com/releases/2017/03/170315140704.htm> AND University of British Columbia]

**NGCCA DOING FOLLOWING ACTIVITY
IN THE MONTH OF MARCH 2017**

- (1) MOTIVATIONAL LECTURE
21ST MARCH 2017
SPEAKER : MR RICHARD
- (2) PLACEMENT
MR. ROBINS (KAIZEN INFOCOMM)
22ND MARCH 2017
- (3) PLACEMENT
AZURE
28TH MARCH 2017
MR. JIGNESH PANCHAL

**ANNUAL FUNCTION
27TH MARCH 2017**

Chief Guest : Dr. Prateek (Director, BK School of Management, Gujarat University)

Guest of Honor : Shri Mukeshbhai Shah (Trustee, Vidyabhavan Trust)

Chief Advisor and Trust Mentor : Shri A U Patel Sir

