

## Documents

Alkassim, Z.

**Virtual laser keyboards: A giant leap towards human-computer interaction**

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**Abstract**

This paper provides an alternative solution to the traditional physical-button keyboards. With implementation of laser technology, this virtual keyboard solves many problems faced with traditional keyboards, making it more practical. The keyboard consists of three modules respectively; the illuminating, sensing, and projecting module. The projecting module projects an image of a keyboard onto any surface, then the sensing module senses the user's fingers in coordination with the illuminating module, after which typed keys are displayed on the screen. © 2012 IEEE.

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