

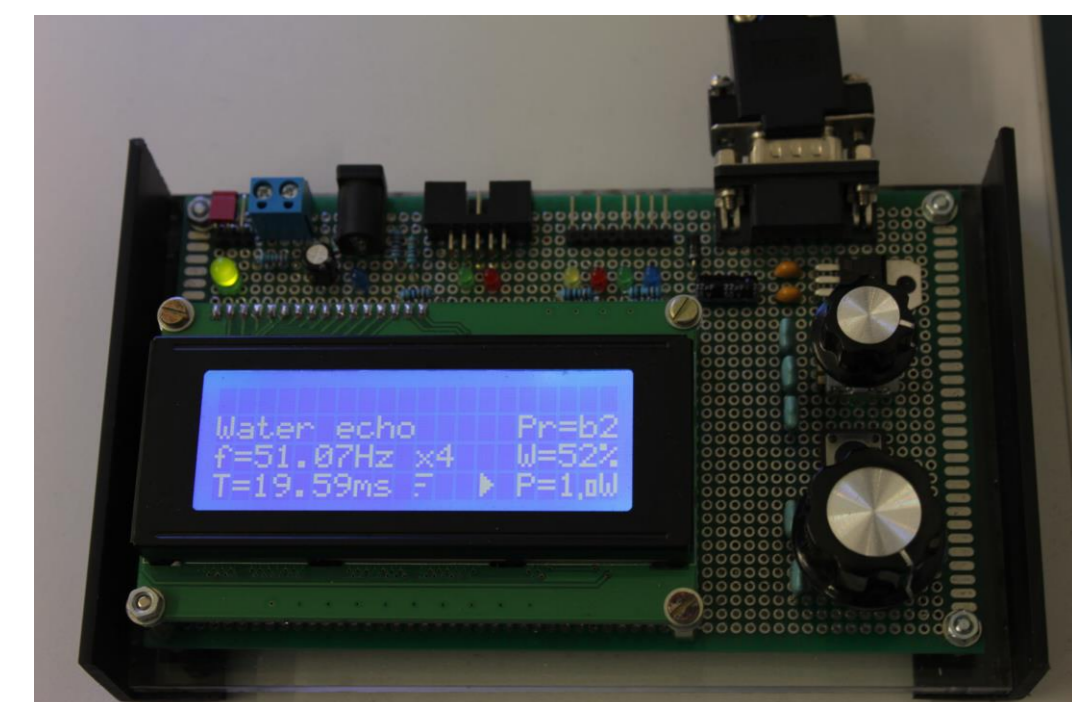
Digital Literacy and Science Education

Science Club for Experimental Physics | High School No. 5 | Wrocław | Poland

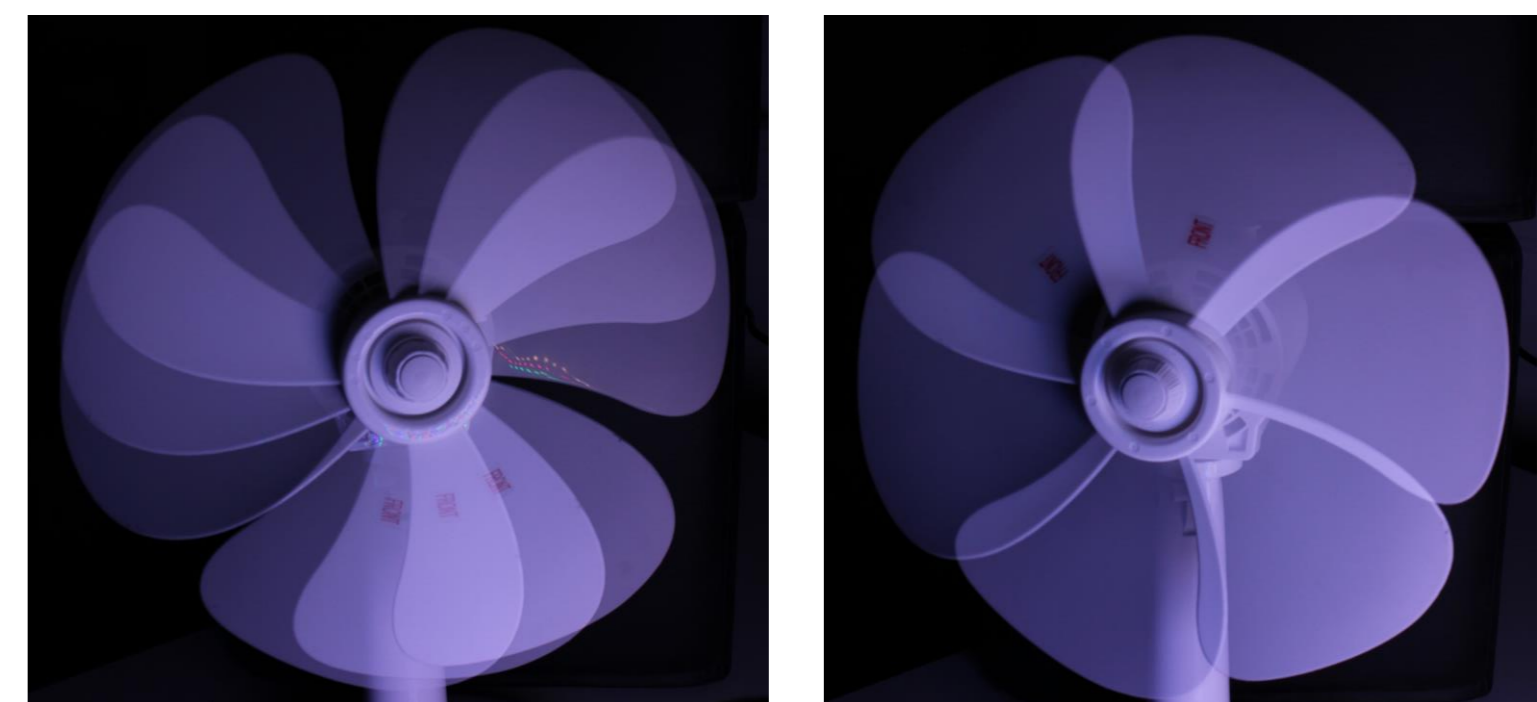
Stroboscope and beyond...



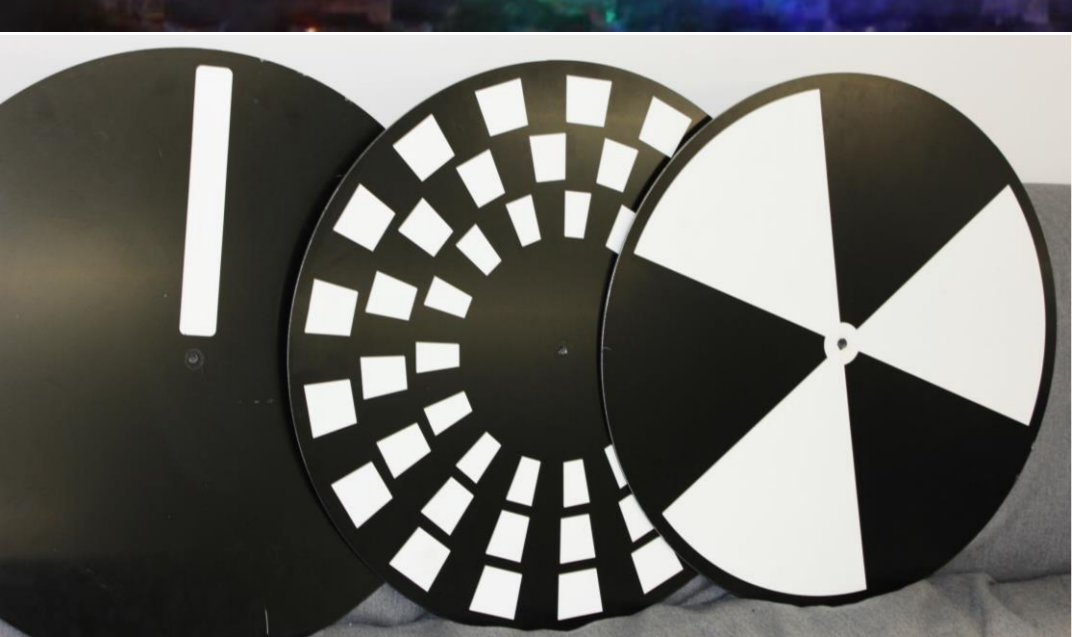
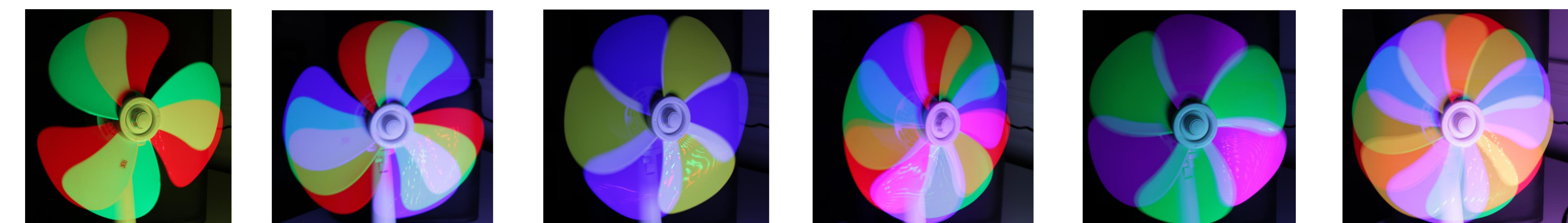
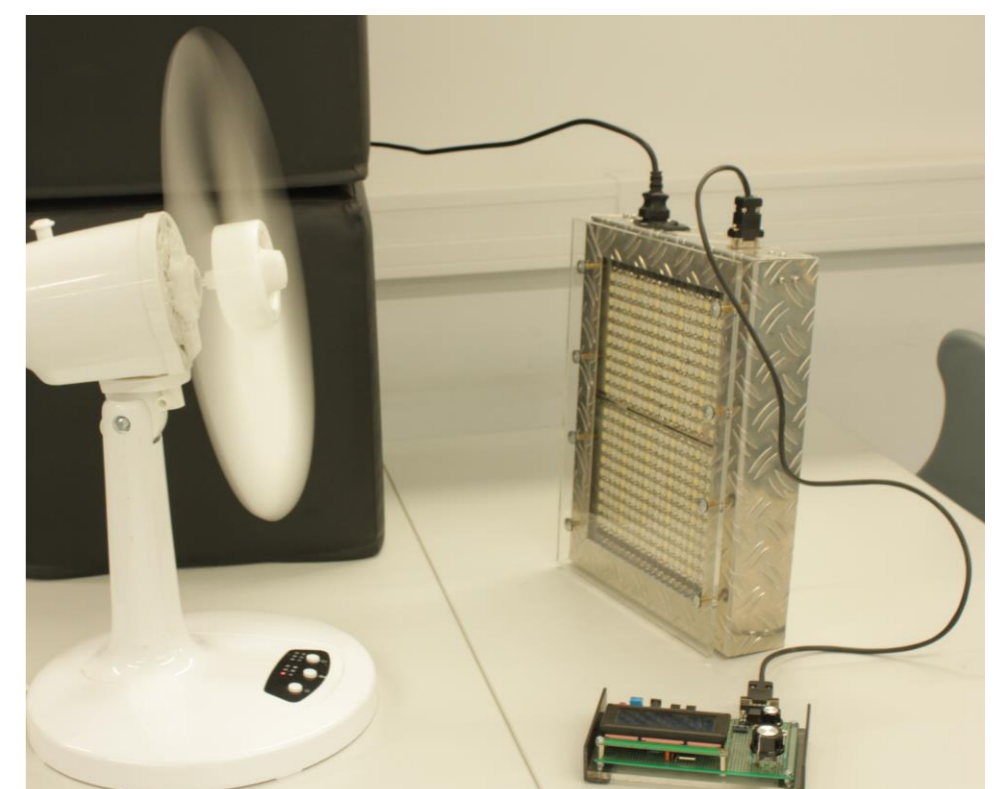
Only in one of this pictures the fan does not rotate. It takes the stroboscope to make the illusion. Mind your fingers !



Depending on frequency of the pulses the light of the stroboscope can create various images. The controller we constructed generates frequencies in the range from 1 - 800 Hz.



We used diodes of different colours and created the programs where the pulses of each colour are phase shifted. Hence the use of electronics resulted in beautiful demonstration of concept how the light colours combine. The battery of 400 color LED diodes can give 1200 W in pulse which is sufficient to use in the lecture hall.



And what if, instead of fan, we use different discs? See for yourself 31 October to 3 November 2019 !

