

SOFTWARE

MAY I INTRODUCE TO YOU

5.05.2007

[Voice recognition](#) has been on the forefront for many years; [genetic fingerprinting](#) is standard use while now nearly all surfaces of common products can be recognized by a phenomenon called laser speckle. Wikipedia describes it as “a random intensity pattern produced by the mutual interference of coherent wavefronts that are subject to phase differences and/or intensity fluctuations”. As I learned last week, this doesn’t seem to be random but influenced by surface characteristics, see the video of the laser surface authentication technology (LSA) at the [Bayer](#) website. As far as I could trace it, the technology has been invented by [Russel Cowburn](#), made its way to Ingenia Technology Limited (ITL) and is now hosted at Bayer and branded as ProteXXion(R). Surface characteristics can be stored in a 750 Bytes string; objects are recognised at a speed of up to 5 m/s. No fake products anymore – I would like to have such a reader also for [living cells](#) ...

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