

New Horizons of the Visible Light

Alessandro Pasquali

Inventor & Co-Founder 

SWISS PHOTONICS

From Daylight to Lighting 4.0

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Alessandro Pasquali

Born: august 5th, **1990**

he is a chemist specializing in photochemistry

in **1997**, when he was 7, he made the first experiments with electronic circuits and LEDs

in **2003**, at 13 he followed the amateur radio course, but he could not get the license because he was too young

in **2006**, at age 16, in his lab, he transmits informations through light waves

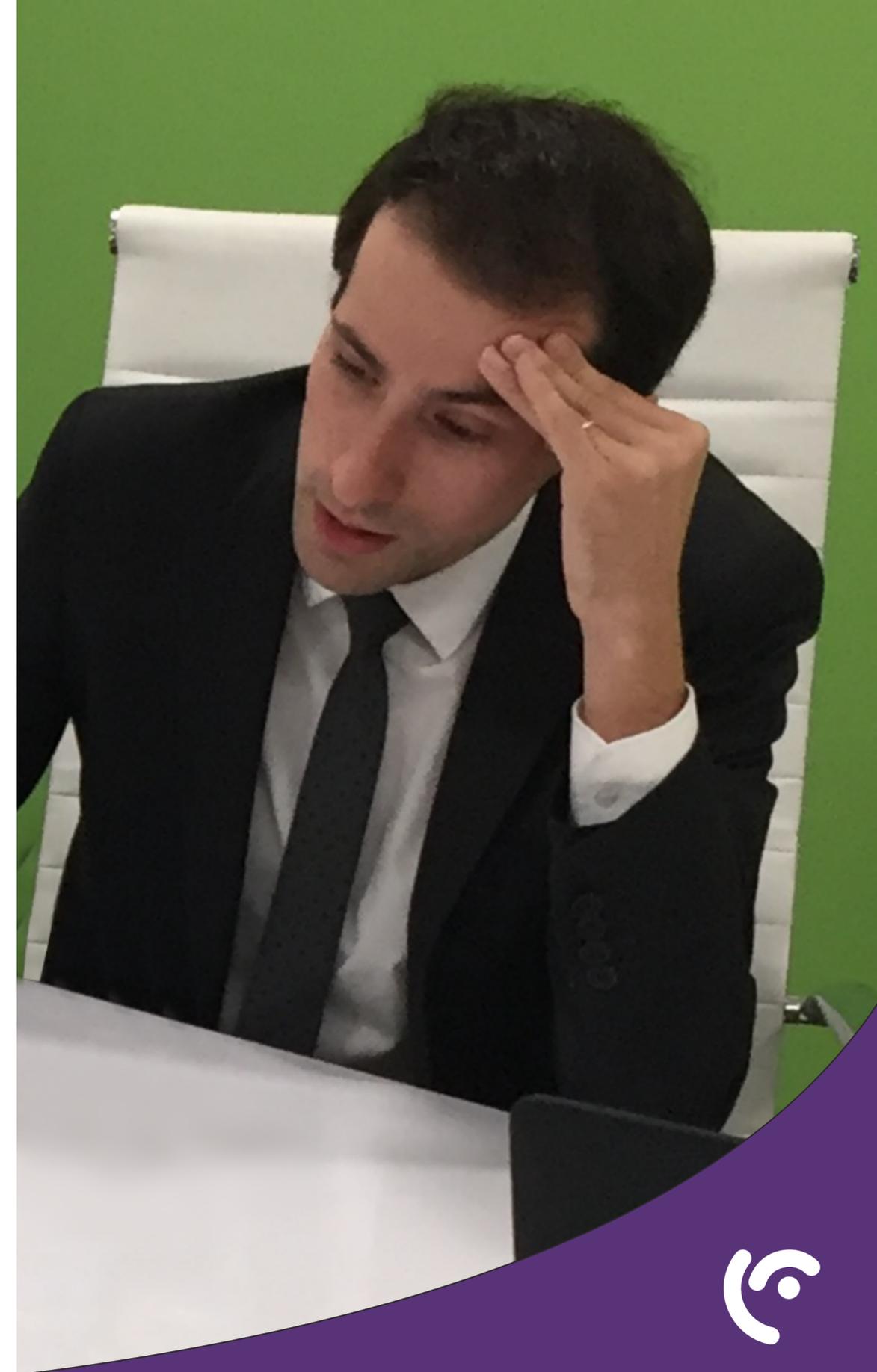
in **2014**, he founded with Bob Tal the **slux** company that develops data transmission technologies and products by light

in **2016**, july 27th, at age 25, he makes the first long-distance transmission experiment by light, through the English Channel (Stretto della Manica) for a 35km distance from Dover Cliffs (UK) to Cap Gris Nez (Calais, France)

He had internships in research centers and he was professor of chemistry and physics.

He studied also environmental aspects during high school.

His inventions are mainly in light communications.



Light, the first way of telecommunication

In history, the light has always been a symbol of the **divine**, **warmth** and **communication**.

The ancient populations used it also to exchange informations even in thousands Kilometers of distance.



Light, the future of telecommunications

According with **slux** vision,
any kind of light can transmit informations,
any kind of device can receive light informations...



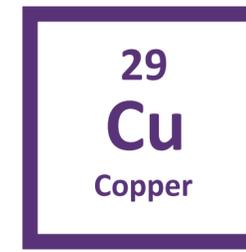
Any kind of light can transmit informations



slux patented and developed Systems and devices able to transmit informations:

- non-line-of-sight (NLOS)
- using natural light

Any kind of device can receive light informations



slux is working on new materials and new ways to detect light signal by photochemical reactions too.

These solutions allow:

- flexibility
- extremely large size
- reproducibility under extreme conditions
- biological compatibility



AND THIS IS NOT ALL...

Thank you for your attention





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