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FABIO REMONDINO, FBK RESEARCHER, FEATURED IN THE NEW SEASON OF THE “SUPERQUARK” TV SHOW

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On Wednesday June 21, the new "Superquark" season started on Italy's national public broadcasting network. "A pixel world" is a story about new technological challenges focusing on "photogrammetry"

Photogrammetry is a largely used technology today that enables the creation of three-dimensional models in a variety of fields: topography, architecture, archeology, medicine, graphics … Using simple photographs, it is possible to digitize the world around us.

It was described during the new season of Superquark, the well-known TV magazine **conducted by Piero Angela,** on Wednesday, June 21. One of the stories was “A pixel world” by Barbara Bernardini from **Cineca**, that discussed the **opportunities opened by new technologies** and in particular, digital photogrammetry. Simple cameras become the tool that can reproduce a virtual 3D world, easily scanning buildings, settings and objects to be used, for example, as video game backgrounds.

Our researcher **Fabio Remondino**, **Italy’s top expert on the subject**, explained that **this technique was born 150 years ago** with the birth of photography itself. Photogrammetry works like in human vision: the eyes capture two images and our brain takes from there allowing us to see the world in three dimensions.

This allows to **digitize the real world** that is then transformed into a pixel world. Here’s how film and video game professionals can create their own fantastic worlds: they shoot many photos with the right method and edit them with the expert touch of a graphic designer.

Click HERE to watch the show (*you have to sign up to Rai Play before*). The story starts at 1h 17m 30s.

PERMALINK

https://magazine.fbk.eu/en/news/fabio-remondino-fbk-researcher-featured-in-the-new-season-of-the-superquark-tv-show/

TAGS

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- #digitalindustry
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- #photogrammetry
- #photography
- #superquark

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