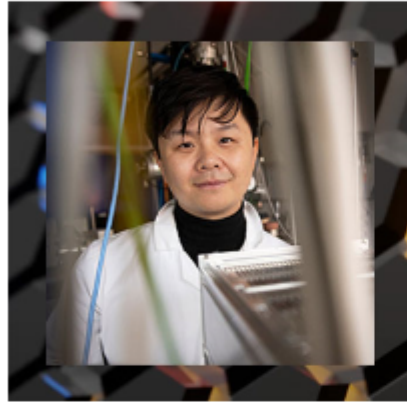




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Reaching the Limit of Human Perception — With Kunli Xiong

From TVs to AR/VR headsets, tech giants have always pushed for the highest picture resolution. That push may soon come to an end after researchers demonstrate the smallest pixels to date, reaching the very limits of the human eye. Using nanoparticles, those pixels reproduce colors whose dimensions and arrangement control how light is scattered, and its optical properties can be electrically tuned. A new retina e-paper has

allowed researchers to create pixels so small that they can correspond to a single photon receptor in the eye. In this episode, **Kunli Xiong**, an assistant professor in the Department of Materials Science and Engineering at Uppsala University, explains how this technology could go beyond AR/VR systems and improve remote collaboration and even accelerate scientific research.

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