



ALL THINGS PHOTONICS



2022 SPIE Startup Challenge winner VitreaLab's glass-based waveguides are innovating the lighting and displays sector. Company CEO **Jonas Zeuner** details VitreaLab's laser writing

technology and what it means for liquid crystal displays. In a preview of an upcoming episode, University of California, Santa Barbara scientist **Joel Rothman** discusses the biological implications of a directed energy interstellar project that proposes to launch invertebrate organisms into and beyond the depths of the galaxy. Plus, can goldfish be taught to drive?



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