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Dr. Bernard Kress

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Bernard has made over the past two decades significant scientific contributions as an engineer, researcher, associate professor, instructor, and author.

His is specifically involved in the field of micro-optics, wafer scale optics, holography and nanophotonics, dedicated to new optical and display architectures.

Bernard has published numerous books and book chapters on micro-optics and holds more than 50 patents granted worldwide.

He is chair of the SPIE conferences on Digital Optics and AR/VR/MR.

He is an SPIE fellow since 2013 and served as an SPIE Board Director from 2016 to 2019. He was elected to the presidential chain of the SPIE in 2020, and serves currently as its Vice-President.

Bernard has joined Google [X] Labs. in 2010 as the Principal Optical Architect on the Google Glass project, and is since 2016 the Partner Optical Architect at Microsoft Corp, on the HoloLens project.