

**BIO:** Dr. Ivan Tashev received his Diploma Engineer degree in Electronic Engineering in 1984 and PhD in Computer Science in 1990 from Technical University of Sofia, Bulgaria. He was Assistant Professor in the Department of Electronic Engineering of the same university in 1998, when joined Microsoft in Redmond, USA. Currently Dr. Tashev is a Partner Software Architect and leads the Audio and Acoustics Research Group in Microsoft Research Labs in Redmond, USA.

Ivan Tashev is IEEE Fellow since 2021, member of Audio Engineering Society since 2006. Served or serving as member of IEEE SPS Audio and Acoustics Signal Processing Technical Committee, IEEE SPS Industrial DSP Standing Committee, IEEE SPS Applied Digital Signal Processing Technical Committee, he is Chair of the IEEE SPS Industrial Technical Working Group. Since 2012 Dr. Tashev is affiliate professor in the Department of Electrical and Computer Engineering of the University of Washington in Seattle, USA. Since 2019 he is honorary professor at the Technical University of Sofia, Bulgaria.

Dr. Tashev published two scientific books as the sole author, wrote chapters in two other books, authored or coauthored 100+ publications in scientific journals and conferences. Ivan Tashev is listed as inventor of 55 USA patent applications, 50 of them already granted. The audio processing technologies, created by Dr. Tashev, have been incorporated in Microsoft Windows, Microsoft Auto Platform, and Microsoft Round Table device. Dr. Tashev served as the audio architect for Kinect for Xbox and Microsoft HoloLens.

More details about him can be found in his web page <https://www.microsoft.com/en-us/research/people/ivantash/>.