



Fraunhofer

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FRAUNHOFER INSTITUTE FOR
INTEGRATED CIRCUITS IIS

SPATIAL CONFERENCING

AS IF TALKING IN THE SAME ROOM





Immersive conferencing experiences for mobile and desktop applications

With a truly amazing sound quality that creates the experience of »being there«, Fraunhofer Spatial Conferencing brings immersive audio to IP conferencing applications. The technology renders participants of a teleconference into a 3D soundstage and allows listening over stereo headsets. As voices are perceived from different directions and are reproduced in full audio bandwidth, conferencing becomes as pleasant and effective as having a conversation with someone in the same room.

Fraunhofer Spatial Conferencing is based on the AAC Enhanced Low Delay (AAC-ELD) audio codec, which is used by millions of FaceTime users every day and readily available on Android, iOS and macOS. In addition, Fraunhofer can build on years of experience in binaural audio processing and rendering of 3D sound on mobile devices. The technology is optimized for cloud-based deployments and its operation is therefore scalable and cost-efficient.

Cooperation with Lindenbaum GmbH

A cooperation with Lindenbaum GmbH was established in order to bring Fraunhofer Spatial Conferencing to the market. Lindenbaum is a leader in audio and web conferencing platforms and services. Customers are telcos, conference service providers and enterprises in Europe and beyond.

www.iis.fraunhofer.de/audio

