

# Press Release

Erlangen / London,  
December 16, 2009

## **Fraunhofer IIS licenses Acoustic Echo Control and high performance audio codec to Teliris**

The globally-renowned telepresence provider has implemented the technologies in its revolutionary new 6G platform.

Leading research and development organisation the Fraunhofer Institute for Integrated Circuits IIS has announced that it has licensed two of its cutting-edge audio technologies to Teliris, the leading telepresence provider. The global company is implementing Fraunhofer's Acoustic Echo Control and MPEG AAC-LC audio codec into its telepresence 6G solutions.

Unveiled at InfoComm 2009, Teliris 6G Telepresence enables the delivery of high-quality telepresence over general purpose networks, thereby reducing acquisition, deployment and operating costs. As part of this significant new platform, Teliris has integrated two core Fraunhofer technologies to ensure superlative audio quality, system interoperability and standards compliance.

The first of these technologies, Acoustic Echo Control, was developed to tackle the echoes that arise from acoustic couplings between the loudspeakers and microphones of telecommunication devices. The Fraunhofer technology allows the frequency spectrum of the microphone to be modified so that the undesired echo components from the signal transmitted to the far-end are completely inaudible.

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The second technology, MPEG AAC Low Complexity (AAC-LC), was co-invented by Fraunhofer IIS and enables excellent audio quality at low bit-rates. AAC-LC has been incorporated into mobile music players, communication devices and digital broadcasting standards, with high-profile adopters including Apple iPod/iTunes and Japanese ISDB broadcasting.

Steven Gage, Executive Vice President and co-founder of Teliris, commented: "Teliris is pleased to integrate the latest AAC-LC codec and Echo Cancellation technologies across our telepresence 6G platforms, ensuring our systems are standards-compliant and widely interoperable. This newest partnership further highlights our continued progress in maintaining the leading market position in the telepresence industry."

Harald Popp, head of the Multimedia Realtime Systems department at Fraunhofer IIS, also welcomed the new association: "Teliris' decision to integrate our advanced audio technologies in its leading telepresence systems, including the acclaimed 6G, provides further confirmation that our work on perceptual coding and processing of audio signals meets the demands of high quality products. Our goal is a highly compelling and realistic sound experience, and Teliris' exciting telepresence products are a fine example of this."

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About Fraunhofer IIS  
Founded in 1985 the Fraunhofer Institute for Integrated Circuits IIS in Erlangen, today with more than 750 staff members, ranks first among the Fraunhofer Institutes concerning headcount and revenues. As the inventor of mp3 and co-inventor of the MPEG 4 AAC audio coding standard, Fraunhofer IIS has reached worldwide recognition.

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It provides research services on contract basis and technology licensing. The research topics are: Audio and video source coding, multimedia realtime systems, digital radio broadcasting and digital cinema systems, integrated circuits and sensor systems, design automation, wireless, wired and optical networks, localization and navigation, imaging systems and nanofocus X-ray technology, high-speed cameras, medical sensor solutions and supply chain services. The budget of 80 million Euro is mainly financed by projects from industry, the service sector and public authorities. Less than 25 percent of the budget is subsidized by federal and state funds.

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## About Teliris

Teliris develops and implements the world's most widely deployed fully managed telepresence collaboration solutions, realistically replicating the human dynamics of an in-person meeting experience. Through its 6G platform and unique intellectual property, Teliris has radically simplified the acquisition, deployment and operating costs of telepresence, breaking new ground in adoption and reach of the technology. Teliris has deployments in over 50 countries with the largest installed base of Global 2000 companies, including Unilever, British American Tobacco, Lazard, Pearson plc, GlaxoSmithKline, and Royal Bank of Scotland, Xchanging and Merck, among others. Headquartered in New York and London, the company is the leading innovator in agile telepresence with end-to-end integration, market-leading 99%+ availability guarantee and interoperability with Cisco TelePresence, Tandberg Total Telepresence and Polycom RealPresence. For further information, visit [www.teliris.com](http://www.teliris.com)

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Photo: Teliris

The Teliris telepresence 6G uses Fraunhofer's Acoustic Echo Control and MPEG AAC-LC