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Video and Image Coding and Applications (VICA)

BIO

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HHI/ Germany

Session:	2: Applications
Title of Presentation:	H.264/MPEG-4 AVC Application & Deployment Status
Session:	6: Future trends in VICA
Title of Presentation:	New techniques for improved video coding

Thomas Wiegand is the head of the Image Communication Group in the Image Processing Department of the Fraunhofer Institute for Telecommunications - Heinrich Hertz Institute Berlin, Germany. He received the Dipl.-Ing. degree in Electrical Engineering from the Technical University of Hamburg-Harburg, Germany, in 1995 and the Dr.-Ing. degree from the University of Erlangen-Nuremberg, Germany, in 2000.

From 1993 to 1994, he was a Visiting Researcher at Kobe University, Japan. In 1995, he was a Visiting Scholar at the University of California at Santa Barbara, USA, where he started his research on video compression and transmission. Since then he has published a number of conference and journal papers on the subject and has contributed substantially to the ITU-T Video Coding Experts Group (ITU-T SG16 Q.6 - VCEG), ISO/IEC Moving Pictures Experts Group (ISO/IEC JTC1/SC29/WG11 - MPEG), and Joint Video Team (JVT) standardization efforts, and he holds various international patents in this field. From 1997 to 1998, was a Visiting Researcher at Stanford University, USA.

In October 2000, he was appointed as the Associated Rapporteur of ITU-T VCEG. In December 2001, he was appointed as the Associated Rapporteur / Vice-Chair of the JVT. In February 2002, he was appointed as the Editor of the H.264/AVC video coding standard. In January 2005 was also appointed as Associate Chair of MPEG Video. In 2004, he received the Fraunhofer Prize for outstanding scientific achievements in solving application-related problems and the ITG Award of the German Society for Information Technology.

His research interests include image and video compression, communication and signal processing, and vision and computer graphics.