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BIO

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Title of Presentation:	The impact of new and emerging video surveillance technology on future video coding standards

Michael Horowitz received the A.B. degree (with distinction) in physics from Cornell University, Ithaca, NY, in 1986 and the Ph.D. degree in electrical engineering from The University of Michigan, Ann Arbor, in 1998.

In 1998, Michael joined Polycom, Inc. where he invented and developed video algorithms for video conferencing products. Michael joined CoVi Technologies, Inc., Austin, Texas, in 2004, in the office of the CTO where he is responsible for developing compression architectures for digital video surveillance applications. His recent work includes video error concealment for ultra-low delay transmission of compressed video over lossy channels, temporal noise reduction, auto exposure and high dynamic range compression of digital video. Michael has served as ad-hoc group chair for H.264 complexity reduction in both the ITU-T's Video Coding Experts Group and the ITU-T/ISO/IEC Joint Video Team and regularly contributes to those standards committees.