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Wen Gao
Chair, AVS China

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Title of Presentation: AVS – a project towards to an open and cost-efficient Chinese national standard

Wen Gao received his Ph.D. degrees in computer science from Harbin Institute of Technology, China, in 1988, and in electronics engineering from the University of Tokyo, in 1991 respectively. He joined the faculty of the Harbin Institute of Technology since 1985, served as lecturer, professor, chairman of department of computer science. He has been with the Institute of Computing Technology, Chinese Academy of Sciences as professor since 1996. He was appointed as director of ICT from 1998 to 1999. From 2000 to 2004, he was appointed as professor and vice president of Graduate School of Chinese Academy of Sciences, as well as vice president of University of Science and Technology China.

Dr. Gao was a visiting scientist in the Robotics Institute of Carnegie Mellon University in 1993, and a visiting scientist in the MIT AI Lab in 1995. He was appointed as honorary professor in department of computer science, City University of Hong Kong, from 1995 to 1997, adjunct professor in University of Science and Technology Hong Kong from 2004, and honorary professor in school of computing and engineering, University of Missouri-Kansas City, from 2005. He served as the vice chairman of Chinese Association of Image and Graphics, and the vice chairman of Chinese Association of Software Industry. He is served in editorial board for several journals, such as the editor-in-chief of Journal of Computer.

Dr. Gao is involved in many national R&D activities since 1992. He served as the chairman of steering committee for intelligent computing system in 863 Hi-Tech Programme from 1996 to 2001. He is the head of Chinese delegation to MPEG. He also is the chair of AVS working group

which is an entity to make and evaluate the national standard for audio/video coding system (<http://www.avs.org.cn/>).

AVS is chartered by the Science and Technology Department of Ministry of Information Industry and four other Chinese government agencies. In addition to drafting specification, AVS was also charged with developing a model Intellectual Property Rights Policy and other organizational documents to serve as national models for China. Participants in the AVS IPR Ad Hoc group included Broadcom, Hisense, IBM, Intel, Lenovo, Micorsoft, Nokia, Panasonic, Sony, Sun, and other national and multinational corporations.

Dr. Gao has published four books and over 300 technical articles in refereed journals and proceedings in the areas of multimedia, data compression, face recognition, sign language recognition and synthesis, image retrieval, and multimodal interface. He has earned three national awards for science and technology achievement in 2000, 2002 and 2003 respectively.