Fig. 1. Geometry of the hybrid metal groove waveguide.

[8] E. Moreno, F. J. Garcia-Vidal, S. G. Rodrigo, L. Martin-Moreno, and S.

**Zheng Zheng** (S'97–M'01) received the B.Eng. degree in electronic engineering from Tsinghua University, Beijing, China, in 1995, and the M.S.E.E. and Ph.D. degrees from Purdue University, West Lafayette, IN, in 1997 and 2000, respectively.

He was with the Optical Networking Group of Lucent Technologies, Holmdel, NJ, as a Member of Technical Staff, where he had conducted research on advanced optical fiber communications technologies. In December 2003, he joined Beihang University as a Full Professor. He has published more than 140 technical journal papers and conference talks. His current research interests include various areas in photonics and optical communications, such as novel photonic devices, plasmonics, ultrafast optics, and optical sensing.

Dr. Zheng received the Li Foundation Heritage Prize in 2004. He is a member of the Lasers and Electro-Optics Society and the Optical Society of America.

## Xin Zhao