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After obtaining his doctorate in physics from Northeastern University, Gerd Keiser worked in the telecommunications industry at Honeywell, GTE, General Dynamics, and PhotonicsComm Solutions, where his work involved research and application of optical networking technology and digital switch implementations for telecom systems. While he was at GTE, he was the recipient of the prestigious Leslie Warner Award from GTE for ATM switch development. During this time he also was an adjunct professor of electrical engineering at Northeastern University, Tufts University, and Boston University. Since 2007, he has been with the National Taiwan University of Science and Technology in Taipei, Taiwan.

He is a Fellow of the IEEE, a member of OSA and SPIE, and an Associate Editor of the journal *Optical Fiber Technology*. He has given numerous invited talks, papers, short courses, and keynote speeches at international conferences. In addition, he is the author of four graduate-level books: *Optical Fiber Communications*, *Local Area Networks*, *Optical Communication Essentials*, and *FTTX Concepts and Applications*.

His professional experience and research interests are in the general areas of optical networking technology and biophotonics.