
Name : Masatoshi Suzuki

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Title (Tentative) : Evolution of Optical Communication Systems

Biography

Dr. Masatoshi Suzuki received his Ph. D. from Hokkaido University. He joined KDD Research Laboratories (currently KDDI Research), Tokyo, Japan in 1984. Since then, he has been engaged in research on high-speed optical modulator/laser integrated devices, optical soliton transmission systems, WDM transmission systems and optical networks. Among them, invention of dispersion managed soliton transmission scheme is well-known as one of the most cited works in the optical communication research area. He was involved in the development of 10Gbit/s WDM ultra-long distance transmission systems, which were applied to trans-Pacific and trans-Atlantic undersea cable systems, such as Japan-US and TAT-14 as well as Asian undersea cable systems. He was the Executive Vice President of KDDI R&D Laboratories, Inc. from 2011 to 2016, and the R&D Fellow of KDDI Corporation from 2007 to 2017. Currently, he is the Principal Research Engineer of KDDI Research, Inc.. His current research interest is wireless and optical integrated technology for future mobile networks beyond 5G and ultra-large capacity optical communication systems based on space division multiplexing towards Peta bit/s era.

Dr. Suzuki is the Fellow of IEEE, the fellow of OSA, the fellow of IEICE and a member of the Engineering Academy of Japan. He was the Associate Editor of the IEEE/OSA Journal of Lightwave Technologies from 1999 to 2004. He is a recipient of the Best Paper Award from OEC1988, the Best Paper Award from OECC2010, the Best Paper Award of IEICE in 1996, Achievement award from IEICE in 2004, Minister Award on Science and Technology from MEXT (Ministry of Education, Culture, Sports, Science and Technology of Japan) in 2006, Minister Award of Advanced Technology from METI (Ministry of Economy, Trade and Industry of Japan) in 2006, Kenjiro Sakurai Memorial Prize from OITDA in 2009, Hisoka Maejima Award from Tsushinbunka Association in 2011, and Medal with purple ribbon from Japan in 2017.