

# **NBUTC-PD Based transmitter-mixer for photonic-network-compatible high data rate wireless communication and high-resolution 3-dimensional radar imaging**

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## **一、研究領域簡介**



**Jin-Wei Shi** was born in Kaohsiung, Taiwan on January 22, 1976. He received the B.S. degree in Electrical Engineering from National Taiwan University, Taipei, Taiwan in 1998 and the Ph.D. in Graduate Institute of Electro-Optical Engineering from National Taiwan University, Taipei, Taiwan in 2002. He was a Visiting Scholar at the University of California, Santa Barbara (UCSB), CA, during 2000 and 2001. In 2002-2003, he served as a post-doc researcher at Electronic Research & Service Organization

(ERSO) of Industrial Technology Research Institute (ITRI). In 2003, he joined the Department of Electrical Engineering, National Central University, Taoyuan, Taiwan, where he is now professor. In 2011, he joins the ECE Dept. of UCSB again as a Visiting Scholar. His current research interests include ultra-high speed/power optoelectronic devices, such as photodetectors, electro-absorption modulator, sub-millimeter wave photonic transmitter, and semiconductor laser. He has authored or co-authored more than 90 Journal papers, 150 conference papers and hold 20 patents. He was the invited speaker of 2002 IEEE LEOS, 2005 SPIE Optics East, 2007 Asia-Pacific Microwave Photonic conference (AP-MWP), 2008 Asia Optical Fiber Communication & Optoelectronic Exposition & Conference (AOE), 2011 Optical Fiber Communication (OFC), and 2012 IEEE Photonic Conference (IPC). He served as the technical program committee of OFC 2009-2011, 2012 SSDM, 2012 MWP, and 2013 Asia-Pacific CLEO. He was the recipient of year 2007 Excellence Young Researcher Award from Association of Chinese IEEE and 2010 Da-You Wu Memorial Award

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