RF Power-Fading Mitigation using Optical mm-Wave Signal Generated by Silicon-Ring Modulator in Long-reach Radio-over-Fiber (ROF) Systems

C. W. Chow*,1, C. H. Yeh2, M. G. Lo3 and H. K. Tsang3

¹Department of Photonics and Institute of Electro-Optical Engineering, National Chiao Tung University, Hsinchu 30010, Taiwan

²Information and Communications Research Laboratories, Industrial Technology Research Institute (ITRI), Hsinchu 31040, Taiwan

³Department of Electronic Engineering, The Chinese University of Hong Kong, Shatin, Hong Kong

一、研究領域簡介



Chi-Wai Chow received the B.Eng. (First-Class Hons) and Ph.D. degrees both from the Department of Electronic Engineering, the Chinese University of Hong Kong in 2001 and 2004 respectively. His Ph.D. focused on photonic packet switched networks. Then, he was a Postdoctoral Fellow at the Chinese University of Hong Kong, working on hybrid integration of photonic devices and silicon photonics.

Between 2005-2007, he was a Postdoctoral Research Scientist in the Tyndall National Institute and Department of Physics, University College Cork (UCC) in Ireland, working mainly on two European Union Projects: PIEMAN and TRIUMPH. In 2007,

He joined the Department of Photonics, National Chiao Tung University in Taiwan, as an Assistant Professor. In 2010, he was promoted to Associate Professor. His research interests are PON, ROF, silicon photonics and advanced modulation formats. He was also the recipient of National Science Council, Dr. Wu Da-You Research Award 2009 and Foundation for the Advancement of Outstanding Scholarship 2009.

二、聯絡方式

Tel:辦公室電話: 03-5712121 ext 56334 (田家炳光電大樓 202) 實驗室電話: 03-5712121 ext 56330 (田家炳光電大樓 216A)

E-mail: cwchow@faculty.nctu.edu.tw