



**THE CHINESE UNIVERSITY OF HONG KONG**  
Department of Information Engineering  
*Seminar*

**Optical Switching for F5G/F6G and Computing Networks**

**By**

**Dr. DENG Ning**  
**Great Bay University, China**

**Date : 25 April 2024 (Thursday)**

**Time : 11:00am – 12:00pm**

**Venue : Rm 833, Ho Sin Hang Engineering Building, CUHK**

*Abstract*

Optical switching plays an increasingly important role in modern optical communication systems. This talk will address optical wavelength switching (ROADM/WSS) technologies from current generation F5G to next generation F6G telecom networks. The requirements and benefits of optical switching for emerging AI computing applications will also be discussed.

*Biography*

Dr. Ning Deng is currently a Professor in Great Bay University (GBU) and an Optica (formally OSA) Fellow. Before joining in GBU he has worked in the industry for over 15 years, and has made significant contributions on high-performance optical switching and wideband WDM communication system, with research outcome transferred to global leading products. He has more than 30 patents granted in China and 20 patents granted in USA/Europe, respectively, and over 70 papers published in major optical communication journals and conferences. He serves as the Associate Editor of Journal of Optical Communications and Networking (JOCN), the TPC chair/member for a number of conferences, and the Editor for multiple International Telecom Union (ITU) standards. Ning Deng received the Ph.D. degree from CUHK in 2007 and the B.Sc. degree from USTC in 2002.

**\*\* ALL ARE WELCOME \*\***