

## Seminar On

### Design Methods and Technologies of Terahertz (THz) Compound Semiconductor Integrated Chips (ICs)

By

Prof. Xin Lv

Beijing Institute of Technology, China

- Date** : 23 August 2018 (Thursday)
- Time** : 11:00 am – 12:00 noon
- Venue** : Room 15-202, meeting room of State Key Laboratory of Millimeter Waves, 15/F, Lau Ming Wai Academic Building, City University of Hong Kong
- Language** : Chinese (Mandarin)

### Abstract

THz-related research has received tremendous attention owing to its unique position in the electromagnetic spectrum and great potential in applications. This report focuses on design methods and technologies of THz compound semiconductor ICs. First the speaker will overview the design methods of THz compound semiconductor ICs. Then he will introduce THz compound semiconductor component models, THz active chip design examples, THz integrated package technology and chip test technology. Finally, an outlook and a summary will be given.

### Biography

**Xin Lv** was born in Beijing, China. He received the B.Eng. degree in 1982 and the Ph.D. degree in 1993 both in Electromagnetic Field and Microwave Technology from Beijing Institute of Technology (BIT), Beijing, China. He is currently the Director of Beijing Key Laboratory of Millimeter Wave and Terahertz Technology and a Chair Professor in the Discipline of Electronic Science and Technology at BIT.

Prof. Lv served in turn as the Director of the Department of Electronic Engineering, the Dean of the School of Information Science and Technology, the Executive Vice President of the Graduate School and the President Assistant at BIT from 2000 to 2008. Since 2008, he is a member of the Department of Informatics and a member of the Department of Science with Interdisciplinary Affairs.

His current research interests are Millimeter-wave/THz technology and systems, including THz focal plane imaging technology, THz ICs, THz semiconductor devices, THz antennas/circuits/System in Package (SiP), and Radio Frequency Integrated Circuits (RFICs). Prof. Lv has published more than 60 SCI and EI papers and has more than 20 patents. Prof. Lv is a member of the Chinese Institute of Electronics, a Deputy Director of the Microwave Branch of the Institute of Electronics, and a Deputy Director of the China Society of Testing and Measurements.

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

### Enquiries:

Professor Kwok W. Leung, Department of Electronic Engineering, City University of Hong Kong  
Tel.: (852) 3442 9659 Fax: (852) 3442 0562 Email: [ekkleung@cityu.edu.hk](mailto:ekkleung@cityu.edu.hk)