

### Seminar On

**Cherenkov Radiation, Tamm Problem and Recent Development (Classical and Quantum Theoretical Study)**

By

**Prof Shenggang Liu**

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**Date : 28 November 2016 (Monday)**  
**Time : 04:00 pm – 05:00 pm**  
**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**

#### Abstract

The talk presents the Classical and Quantum theoretical study on the Vavilov-Cherenkov Radiation. There are following sections: 1. Introduction; 2. Tamm-Frank Theory; 3. Tamm Problem; 4. Quantum Theory on Cherenkov Radiation; 5. Optical Cherenkov Radiation; 6. Experimental Studies; 7. Conclusion. And 42 references are given.

#### Biography

**Shenggang Liu** received his PhD. degree in physical electronics in 1958. He was elected the Academician of Chinese Academy of Sciences (CAS) in 1980 and he is now the member of Presidium of CAS. He is IEEE Fellow and member of Electromagnetic Academy, MIT, USA. He is the member of IOC of the IRMMW-THz Conference and the member of the K.J. Button Prize Committee. He was the Conference Chair of the International Conference on IRMMW in 2000, and the Honorary Conference Chair of the International Conference on IRMMW-THz in 2006. He is the Chair of IOC of the Shenzhen International Conference on Advanced Science and Technology.

He was awarded the K. J. Button prize in 2003, the Chinese National Prize of Nature Science in 1985 and in 1999.

He was awarded The Tan Kah Kee Prize (the highest Prize of Chinese Academy of Sciences) in 2001.

He was invited to serve as the nominator for Nobel Prize in Physics by the Nobel Committee for Physics of the Swedish Royal Academy of Sciences in the year of 1999 and 2000.

He served as the president of University of Electronic Science and Technology of China (1986 to 2001).

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

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