

**[22-T03]**

## **Electrical properties of multilayer-structured organic electroluminescent device**

Myung-Woon Choi, Shin Cheul Kim, Jin-Woo Lee, Jae Kyung Yang, Kwangho Jeong  
Atomic-scale Surface Science Research Center and Institute of Physics and Applied Physics, Yonsei University

The electric properties of organic electroluminescent devices employing charge blocking multilayers (CBMLs) between hole transport layer (HTL) and emission layer (EML) have been examined. The structure of CBMLs has an alternating layers with HTL and EML. With the presence of the CBML, the electrical stability and the efficiency of the device have been enhanced. These enhancements are attributed to an charge confining mechanism within the CBMLs, which may reduce the cationic instability of EML and the charge conduction without emission.