

## JUNG Donggeun

**Professor**  
**Department of Physics**



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**Key Words** Plasma enhanced chemical vapor deposition (PECVD), Low dielectric constant film  
 Organic light emitting diode(OLED), Bio chip

**Research Area** Research on characteristics of materials and devices related with semiconductor and display

**Education**

- 1988 ~ 1993 PhD In physics. North Carolina State University, USA
- 1984 ~ 1988 BSc In physics. Seoul National University, KOREA

**Experience**

- 2005 ~ present Sungkyunkwan University, Professor
- 1999 ~ 2005 Sungkyunkwan University , Associate Professor
- 1995 ~ 1999 Sungkyunkwan University , Assistant Professor
- 1993 ~ 1995 Samsung Advanced Institute of Technology, Senior Researcher

**Position**

- 1995 ~ present The Korean Physical Society Member
- 1995 ~ present The Korean Vacuum Society Member

**Selected Publication**

- Characteristics under bias-temperature-stress of Cu/low-k a-SiCO:H structures prepared by plasma enhanced chemical vapor deposition using a hexamethyldisilane precursor and Cu sputtering(2003) Jpn. J. Appl. Phy
- Characterization of low dielectric constant plasma polymer films deposited by plasma-enhanced chemical vapor deposition using decamethylcyclopentasiloxane and cyclohexane as the precursors(2006) J. Vac. Sci. and Technol. A
- Characteristics of Polymer Light Emitting Diodes with the LiF Anode Interfacial Layer(2006) Jpn. J. Appl. Phy.
- Effects of the pyromellitic dianhydride cathode interfacial layer on characteristics of organic solar cells based on poly(3-hexylthiophene-2,5-diyl) and [6,6]-phenyl C61 butyric acid methyl ester(2010) J. Mater. Res.
- Protein immobilization on plasma-polymerized ethylenediamine-coated glass slides(2002) Anal. Biochem.

**Others**

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