



35 Years Innovations in FPD Manufacturing

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The FPD manufacturing technology evolved to current high efficient level since the first production of 10.4" TFT-LCD in 1988. The progress of equipment, fab automation and many innovative ideas contributed the evolution in manufacturing. We review the landmark innovations during the progress in LCD and OLED manufacturing. Also, future prospect of flexible OLED printed OLED-TV and QLED manufacturing is discussed.

Biography

Professor, Korea University, Sejong, Korea

- 2016.11 - present: Professor, Research and Business Foundation, Korea University, Korea
- 2012.3- 2016.10: Professor, Professor, Electronic Engineering & Display Engineering, Hanyang University, Seoul, Korea
- 1996- 2012 Jan: EVP/CTO, Head of Display R&D Center, Samsung Electronics
- 1979-1996: IBM T.J. Watson Research Center

Over 30 years of Experiences in TFT-LCD and Future Display technologies in the field of OLED, Flexible display, Printed Electronics Broad knowledge and experience in display process, material, equipment in LCD and OLED.

- Published over 60 research publications
- Gave more than 60 invited talks at international conferences
- Book "Flat Panel Display Manufacturing", chief editor, Wiley & Sons, 2017
- 2012 : Karl Ferdinand Medal Award (SID)
- 2009: Elected SID Fellow