Abstract

The Organic light-emitting diodes (OLEDs) are a new promising technology with high expected profitability on the display market, which is currently dominated by liquid crystals. In principle,
organic light-emitting diodes (OLEDs) satisfy key requirements for this applications- low driving voltages in combination with unrestricted viewing angles, optically transparent, mechanically flexible displays, high color-brilliance, light weight, small film-thickness, low production costs and low-temperature fabrication. However, the aim of this work is to perform the review of the recent most important results of experimental and theoretical investigations connected with the organic light emitting devices (OLEDs). The recent achievements in the field of designing, fabricating and clarification of the OLEDs operation have been presented. The possibilities of numerous, present and future applications of these devices have been pointed out through this paper.

References

- Integrated feedback circuit for organic LED Display-Mathew Reid Powell.
- Transparent Active Matrix Organic Light Emitting Diode Displays Driven by Nano Wire Circuitry- Sanghyun Ju Jianfeng Li, Jun Liu, Po-Chiang Chen, Young-geun Ha, Fumaiaki Ishikawa, Hsiaokang Chang.

Index Terms

Computer Science

Electronics
Keywords
Transparent Oled  Hole Transporting Layer  Emissive Layer