



Thematic priority

Materials for Flat Panel Displays

The market > The flat panel display industry is expected to exceed \$100 bn in revenues in 2008 for the first time. TFT LCDs account for ~80% of these revenues. From 2004 through 2009, the total TFT LCD materials market is expected to grow at 13% CAGR. Even with significant pricing pressures on many components and materials, TFT LCD materials and components are expected to reach a market revenue size of \$54.5 bn by 2009.

TFT-LCDs > Materials and components contribute to up to 80 % of the total cost of a display. Within this share, glass, colour filter, polarisers and backlight account to nearly 70 % of the material costs.

OLEDs > Revenues for OLED are growing significantly over the years, reaching \$700 m in 2007. While material costs are expected to be lower for OLEDs than for LCD in the future, currently poor materials utilization due to evaporation processes is a major issue for panel manufacturers. Improved materials that can be used with ink-jet printing could tackle this issue.

Emerging technologies > Besides LCD and OLED, new technologies (e.g. bistable LCD, electrophoretic, electrochromic and electrowetting displays) are being developed. Although the market shares for these technologies cannot be predicted yet, they require new materials to be developed now.

The challenge > With increasing competition, added values like improvement of the technical material performance, just in time delivery, or superior customer support may become increasingly important.

The meeting > The 27th DFF Working Group Meeting is hosted by Merck KGaA in Darmstadt. It will focus on new and improved materials for flat panel displays and related emerging technologies. We will hear presentations and discuss about materials with improved properties as well as strategies to assert the own market position. Furthermore, you will have the possibility to attend a guided company tour.

Contact person

German Flat Panel Display Forum (DFF)

Dr. Susanne Bieller

Phone: +49 (0)69 6603 - 1633

email: susanne.bieller@vdma.org

Details

www.displayforum.de/networking.html

April 9, 2008
9:00 - 16:00 h

Host:
Merck KGaA
Darmstadt, Germany

www.displayforum.de

