

Novaled and its doping technologies for the organic electronics

Dr. Mauro Furno
Novaled GmbH, Dresden

Abstract

OLED displays are currently gaining market share in mobile phones and other display applications requiring small-, medium-, or large-sized displays. OLEDs also show strong potential for use in flat, flexible and large-area lighting applications in the future. Despite the promising commercial perspectives, the OLED technology is still challenged to realize its full potential and OLED materials providers are intensively working on increasing the performance of their materials.

In my talk, I will first review the present commercial applications of OLED devices and illustrate the potential future application of the OLED technology. I will then focus on the recent development activities at Novaled in field of materials for the organic electronics. In particular, I will present recent results on a class of doped electron transport layers for display applications. I will show that air-stable dopant materials, developed together with a matching host material, allow for optimum balance of long device lifetime and high efficiency.

Die Vortrag findet um **16:15 Uhr** im Gebäude der Materialwissenschaften,
Lichtwiese, Alarich-Weiss-Str. 2, **Raum 228** statt