CALL FOR CONTRIBUTIONS

System Integration Platform Meeting & Working Group Meeting
June 26th / 27th, 2019
at OSRAM Opto Semiconductors GmbH, Leibnizstraße 2, D-93055 Regensburg

Scope

From Illumination to Visualization

Transferring visual information to the user requires a variety of screen sizes, resolution, contrast, gamut and luminance for numerous applications. Different display technologies with a number of features exist to address those different needs.

Large screen applications like video walls for fairs & events and variable message signs for modern traffic management typically use panels with discrete LEDs (RGB or single color) assembled into large matrix arrays with LED pitches in the mm-range.

For **medium size- and Head-Up displays** (HUD) projection solutions based on LCD or DLP are often the technology of choice. New pixelated light sources in projection based systems allow advanced headlamp- as well as visualization functions.

For **small size displays** LCD and OLED are currently the mainstream technologies. In addition LED matrix backlights allow local dimming based on the picture content leading to improved black levels (contrast ratio) and reduced power consumption.

The latest display development trends are based on self-emitting devices based on inorganic LED chips. Mini-LEDs (>100µm) and µLEDs (<100µm) are arranged in small RGB clusters and in a matrix with a small pitch (1mm – 100µm).

So the role of the LEDs is evolving from an illumination- to a visualization function.

I would like to encourage you all to present your ideas and knowledge in the above fields. Of course you may also suggest additional and related topics and external speakers. However, by presenting your own paper you will create a very special opportunity to visualize your expertise.

Please let us know that you are interested in presenting latest until May 10th, 2019. We shall contact the speakers for copies of their presentations after the meeting.

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