

[Scdt] SCDT-FlexE Centre Weekly Tuesday Seminar-19.01.2021 at 7:30 PM

1 message

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Mon, Jan 18, 2021 at 5:09 PM

Zoom Meeting for joining the webinar:

<https://zoom.us/j/99863678964?pwd=ZVJvdFN5T1UyQjdZbmxxwS0htRUJOUT09>

Meeting ID: 998 6367 8964

Passcode: 064022

Dear Colleagues,

We continue our tradition of weekly SCDT-FlexE Centre Seminars, but in the webinar format. This week, it will be an internal seminar given by Dr. Muralidharan Balakrishnan. The details of the seminar (in webinar format) are given below:

Title: "Printed OLEDs – How far are they from the evaporated"

Date: 19th January, 2021 (Tuesday)

Time: 7:30 PM to 8:30 PM

Presentation will be on zoom. The link is given above.

The talk abstract and a brief bio of the speaker is given below. Please join if you are in a position to do so.

With regards
S.K.I.

Abstract:

Printed OLEDs have already started entering the market in certain areas. Still evaporated OLEDs have a major share in the market with some applications, such as, in automotive and lighting where demanding specifications have to be met. The talk will give a flavour about the motivation for developing printed OLEDs which is mainly cost reduction for application in certain suitable products. Printing technologies developed for some of the active OLED layers will be discussed mainly focusing on challenges faced in getting good layer quality the results which can also be adopted for other devices like OPVs and sensors. Inkjet and slotdie methods will be discussed in detail for application in displays and signage respectively. Comparison of device performances with spin coated and also evaporated devices will be given, giving insight into the properties at layer level accounting for the difference in performance.

Bio:

Dr. Muralidharan Balakrishnan did his bachelors at NIT Trichy (2000) and masters at Technical University of Hamburg Harburg in Germany in Materials Science (2003). He did his PhD at University of Twente in Netherlands (2008) in the field of Electro-optical polymers which are used in the fabrication of electro-optical modulators used for electrical to optical signal conversion in optical communication. Later he also continued on with his Post Doc at Institute for Photonics Technologies in Germany working in the same field. Later he switched to industry and joined Novald AG in Germany in 2009 and started working in the field of OLEDs. Later he took up a position as Project Leader at SEFAR AG in Switzerland in 2014 where he was involved in developing textile based flexible transparent conductive substrates for different optoelectronics applications including OLEDs. Since Aug 2016 he is leading OLED activities at NCFlexE.

Scdt mailing list