

[Scdt] SCDT-FlexE Centre Weekly Tuesday Seminar-22.06.2021 at 7:30 PM

1 message

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To: scdt@lists.iitk.ac.in

Mon, Jun 21, 2021 at 1:59 PM

Zoom Meeting for joining the webinar:

<https://zoom.us/j/99863678964?pwd=ZVJvdFN5T1UyQjdZbmxwS0htRUJOUT09>

Meeting ID: 998 6367 8964

Passcode: 064022

Dear Colleagues,

I would welcome you to attend the SCDT-FlexE Centre Weekly Tuesday Seminar by our colleague Dr. Sambathkumar Balasubramanian. The details of the seminar (to be given in webinar format) are given below:

Title: "Stability study on top illuminating device stack with Encapsulation"

Date: 22nd June, 2021 (Tuesday)

Time: 7:30 PM to 8:30 PM

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

The webinar abstract and a brief bio of the speaker are given below.

Please join if you are in a position to do so.

With regards

S.K.I.

Abstract of talk by Dr. Sambathkumar Balasubramanian:

The degradation of organic photovoltaic (OPV) devices typically degrades faster than their inorganic counterparts and hence there is need to better understand the degradation mechanisms. An overview of degradation mechanisms in OPV devices caused by extrinsic and intrinsic degradation will be discussed. The standards evolved at the International Summit on Organic Photovoltaic Stability (ISOS) will be presented to understand the methodology adopted to study the stability of device. The results of the stability studies carried out for ITO free top illuminated OPV device stack for different encapsulation layers using the ISOS protocol will then be presented.

About the Speaker:

Dr. Sambathkumar Balasubramanian is working at the FlexE Centre and is a part of the FlexPV Team. He received his PhD degree in Chemistry from Central Leather Research Institute (CLRI), where he did polymer synthesis for OPV applications. His primary focus at FlexE Centre is on understanding the degradation mechanisms and improving stability in Organic Photovoltaic devices.

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