ONE DAY NATIONAL WEBINAR

ON

OPTICAL AND ELECTRICAL MODELING & SIMULATION FOR ORGANIC SEMICONDUCTOR DEVICES USING SETFOS S/W

About the Webinar: This program is being organized to bring all faculties, research scholars, and students to educate on the modeling & Simulation of electrical and optical devices using advanced software's such as Setfos Software from Fluxim.

Topics Planned to Cover:

Use of simulation software for Optical interference in thin film layers, light absorption of solar cells,
Charge transport by drift-diffusion in solar cells and OLEDs,
Light scattering by rough interfaces and scatter-layers.
Techniques to optimize layer thickness to achieve highest absorption for solar cells,
Simulates IV- curves, Isc, Voc, Fill Factor & Quantum Efficiency etc.

Registration Fee : Free

Date: 05th February 2021

Time: 14:00 – 15:30

Link for Webinar:
https://meet.google.com/zvh-juch-gby

Scan this QR for Webinar

Prof. (Dr.) Keshari Lal Verma
Hon'ble Vice-Chancellor

Prof. (Dr.) Sanjay Tiwari
Coordinator

Registration Link: https://surveyheart.com/form/5f8d556b4e04c54009284318

School of Studies in Electronics & Photonics; Institute of Renewable Energy Technology & Management
Pt. Ravishankar Shukla University, Raipur (C.G.)
& Impulse Technology, Gurugram, Haryana

(Industry- Institute Interaction)

Webinar : - Optical and Electrical Modelling & Simulation for Organic Semiconductor Devices using SETFOS S/W

Organized by –
Pt. Ravishankar Shukla University

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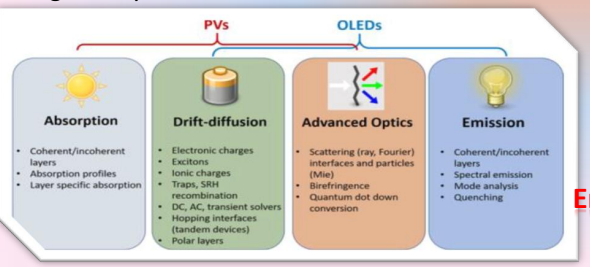
Theme of the Webinar

Precise optimization and modeling of electron-hole recombination probability in Solar Cell are necessary for developing high performance organic materials. We will demonstrate a quantitative approach to investigate the effects of carrier mobility of electron transporting layer (ETL) on electric field and recombination profile across the organic layers of the device.



Resource Speaker ; Mr Anil Kumar Sharma
(Director of Technical)
Impulse Technology

❖Registration Fee: **FREE**
Register Now

Session Start Date – **5th Feb 2020**
Session Time : **14:00 – 15:30 PM**
Join with Google Meet Link:-
https://meet.google.com/zvh-juch-gby

Contact Organizer :
Dr Sanjay Tiwari
Electronics Department
Email Id : stiwari@fulbrighmail.org
Mobile No + 91 9424225771

Topics planned to cover

Use of simulation software for Optical interference in thin film layers, light absorption of solar cells, light emission from OLED's, Charge transport by drift-diffusion in solar cells and OLEDs, Light scattering by rough interfaces and scatter-layers. Techniques to optimize layer thickness to achieve highest absorption for solar cells, Simulates IV-curves and also the knowledge about the mode-analysis through the devices such as OLEDs.