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INTERDISCIPLINARY RESEARCH CENTER (IDRC)  
ONLINE FACULTY DEVELOPMENT (FDP) PROGRAM ON  
**Thin Film Technologies: Fabrication, Characterization and Simulation**  
Aug 3-8, 2020

Jointly Organized by

Dept. of Physics, Chemistry, ECE, ME, Chemical Engineering and COE- Microelectronics

**Invited Speakers**



Dr. Sanjiv Sambandan,  
IISc, Bengaluru



Dr. Subhas Mukhopadhyay  
NSW, Australia



Dr. Ramesh Thamankar  
VIT, Vellore



Dr. Ashok Kumar L,  
PSG Tech, Coimbatore

**Why Join this FDP**

The global thin film technology market size is \$500 million in 2019 and expected to \$1Bn in coming years. In the FDP, Experts from research organizations and academia will discuss about recent trends in thin film technology and their ideas in the area of various aspects of sensor materials, device fabrication, characterization & testing to address various demands in healthcare, agriculture, automobile, energy harvesting and air quality monitoring systems.

**You are Welcome!**

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.).

**Highlights of FDP**



**About RVCE, IDRC & CoE**

RV College of Engineering® (RVCE), Bangalore, is one of India's premier technical institutions. For more info..

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**Objective of FDP**

Discuss the opportunities in emerging applications and familiarization of fabrication, characterization equipments in thrust areas along with research collaboration.

**Outcomes**

By bringing expertise and exchange of novel ideas in the event about recent trends & including material selection, growth, sensitivity & selectivity and testing, the participants get exposure and motivated to solve societal and scientific problems

**Major Topics Covered**

- Adaptive Di-electric Thin Film Transistors, Dr. Sanjiv Sambandan, IISc, Bengaluru
- Characterization & Fabrication of Smart Sensors for Better Living, Dr. Subhas Mukhopadhyay, Australia
- CVD techniques for Advanced Thin Film Applications, Dr. Ramesh Thamankar VIT, Vellore
- Flexible and Thin Film Solar cells: Basics and Applications, Dr. Ashok Kumar L, PSG Tech, Coimbatore

For detailed event FDP schedule, link: <https://bit.ly/2X42oub>

**Registration Details**

Registration link: <https://forms.gle/pM8wdXshAfvnMw9e7>

Registration Fee:

IEEE Members: Rs 750 inclusive of GST

Non-IEEE Members: Rs 1000 inclusive of GST

Payment Details:

NEFT : A/c Name: IEEE RVCE Student Branch

A/C No: 2213404972

Bank: Kotak Mahindra, IFSC Code:KKBK0008084

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Day	10 .00 a.m. to 11:30 a.m.	11:45 a.m. to 1:15 p.m.	1:15 - 2.00	2:00 to 3:30 p.m.
<b>Monday 3.08.2020</b>	Inauguration Dr. K N Subramanya, Principal, RVCE  <b>Keynote Address: Flexible and Thin Film Solar cells: Basics and Applications</b>  Dr. Ashok Kumar L, PSG Tech, Coimbatore	<b>Interdisciplinary Research @ RVCE</b>  Dr. H N Narasimha Murthy, RVCE, Bengaluru		<b>Simulation and Modelling of Thin films using COMSOL Multiphysics</b>  Roopa J, Dr. Rachana Akki, RVCE, Bengaluru
<b>Tuesday 4.08.2020</b>	<b>Chemical Vapour Deposition techniques for Advanced Thin Film Applications</b>  Dr. Ramesh Thamankar, VIT, Vellore	<b>Fabrication of Amorphous Silicon Solar Cells using customized PECVD Cluster Tool</b>  Dr Suresh R, RVCE, Bengaluru & Dr. Srinivas, HHV, Bengaluru	L U N C H  B R E A K	<b>Characterisation of novel thin films using NSOM/RAMAN</b>  Dr. Rajesh BM, Dr. Avadhani DN & Dr. Tribikram Gupta, RVCE, Bengaluru
<b>Wednesday 5.08.2020</b>	<b>Fabrication and Characterisation of Electrospun nanofibres for chemical Sensors</b>  Dr. Sham Aan, RVCE, Bengaluru	<b>Characterization &amp; Fabrication of Smart Sensors for Better Living</b>  Dr. Subhas Mukhopadyay Macquarie University, NSW		<b>Graph Theory as a Simulation Tool for Thin Films: Opportunities &amp; Challenges</b>  Dr. Swarna M Patra, RVCE, Bengaluru
<b>Thursday 6.08.2020</b>	<b>Adaptive Di-electric Thin Film Transistors</b>  Dr. Sanjiv Sambandan, IISc, Bengaluru)	<b>Growth &amp; Characterization of Low Temp Carbon for Flexible Electronics using Cathodic Arc System.</b>  Prof. Ramavenkateswaran N, RVCE, Bengaluru		<b>Enhancing surface performance by Laser Surface Texturing</b>  Dr. Bharatish, RVCE, Bengaluru
<b>Friday 7.08.2020</b>	<b>Productive Innovation &amp; Patenting</b>  Dr. K Natarajan, RVCE, Bengaluru	<b>Micro- and nano devices with special emphasis on magnetic effects</b>  Dr.Jürgen Kosel, King Abdullah University of Science and Technology, Kingdom of Saudi Arabia		<b>Valedictory &amp; Feedback</b>

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