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**CHRIST COLLEGE**  
(AUTONOMOUS) IRINJALAKUDA

*Department of Physics*  
*Diamond Jubilee Webinar Series*

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**Platform:**

The lecture will be delivered using the Google Meet  
application. Link will be sent to the registered  
participant by e-mail.

**Certificate:**

E-certificate will be provided to all the participants  
after submission of a feedback form which will be  
made available after the presentation.

**For details:**

Dr. Xavier Joseph- 9447289100  
E-mail: physicsdept@christcollegeijk.edu.in

**Registration Link :**

<https://forms.gle/YgNFco4KEkMWIn>

2020

**Date :**  
**3<sup>rd</sup> August 2020,**  
**Monday**

**Time :**  
**11.30 am to**  
**12.30 pm (IST)**



**Dr. Libu Manjakkal**

Research Associate  
Scientific Project Manager-AQUASENSE  
Project (Marie Curie ITN)  
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Engineering  
University of Glasgow, UK

# International Webinar on Supercapacitors

## ABOUT THE TOPIC

Wearable systems are gaining significant attention these days in applications ranging from health monitoring to fashion and military. From an operational point of view, a critical component for the effective use of wearable systems are the on-board Nano watt to microwatt (nW- $\mu$ W) energy devices to power ever increasing sensors and actuators. Traditionally, the lithium ion batteries (LiB) have been popular despite them being non-flexible, heavy, producing heat, and using environmentally unfriendly electrolytes. This talk presents an overview of the importance of materials and electrolytes that have been utilized to develop flexible supercapacitors as the next generation of wearable energy storage devices.







