

# JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

(Established by H.P. State Legislature vide Act No. 14 of 2002)

**Professor Sharath Sriram**

**Coordinator, Functional Materials and Microsystems Research Group,**

**RMIT University, Melbourne, Australia**

**“Convergence of materials, medicine and design to transform electronics  
into products”**

**May 16, 2023**

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY  
(JUIT), WAKNAGHAT, INDIA

3RD INTERNATIONAL CONFERENCE ON EMERGENT  
CONVERGING TECHNOLOGIES AND BIOMEDICAL SYSTEMS  
(ETBS-2023)

DEPARTMENT OF ECE AND DEPARTMENT OF CSE&IT,  
IN COLLABORATION WITH DST IHUB - AWADH & INDIAN  
INSTITUTE OF TECHNOLOGY (IIT) ROPAR, INDIA

## KEYNOTE SPEAKER



**Prof. Sharath Sriram**

Coordinator, Functional Materials and Microsystems Research Group,  
RMIT University, Melbourne, Australia.

Date: May 16, 2023, Time: 09:30 AM - 10:15 AM

Venue: CL-10 (<http://meet.google.com/drv-qkpb-kvy>)

Topic: Convergence of materials, medicine and design to transform  
electronics into products



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Professor Sharath Sriram is a science and research leader creating and delivering breakthrough technologies in nanoelectronics, sensors, and medical technologies. He jointly leads the Functional Materials and Microsystems Research Group at RMIT University, Melbourne, Australia. The team is focussed on translating technology for healthcare, to bring science fiction to reality. Sharath led and coordinated a \$60 million multi-user, inter-disciplinary research facility for micro- and nano-fabrication. He is currently leading medical device prototyping and scale-up manufacturing initiatives, as Director of the Discovery to Device Facility. He is the President-Elect of Science & Technology Australia and an active contributor to science policy with a focus on innovation and long-term strategy, early- and mid-career researchers, and diversity and inclusion.



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**What We Do**

FUNCTIONAL MATERIALS + MICROSYSTEMS

RMIT UNIVERSITY

Participants: Ansh Srivastava, google meet, Divya Hooda, shikha upadhyay, Vijay Sharma, Ishkrit Mathuria, Nishant Jain, 4 others, You.

**Wearables, Nearables, and Rapid Diagnostics**

RMIT UNIVERSITY

Participants: Ansh Srivastava, google meet, Divya Hooda, shikha upadhyay, Nishant Sharma, Karanjaspreet Singh, Armol Vasudeva, 7 others, You.

Participants: Ansh Srivastava, Divya Hooda, Poojashri R S, Monika Sharti, Nishant Sharma, Divya Hooda, Jagpreet Sidhu, 12 others.

Participants: Ansh Srivastava, Monika Sharti, Nishant Sharma, Jagpreet Sidhu, Vikas Baghel, google meet, Vandana Mohindru, Richard Essah, Vijay Sharma, Pardeep Garg, Armol Vasudeva, Nishant Jain, Shivanshu Singh, Sunil Datt Sharma, Bandana Pal, Himanshu Jindal, Vikas Baghel, Divya Hooda.

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Driven by market and industry need, this presentation showcased few electronic technologies that bring together materials science, medical and clinical insights, and product and user-engaged design to transform ideas into products. The use of soft electronics and miniature biosensors in areas of smart bedding products, wearable biometric monitoring, minimally-invasive device manufacture, and rapid biosensors for point-of-care diagnostics was covered. The project outcomes emphasized the importance of convergence of disparate disciplines to create impactful technologies.

He delivered a keynote speech to the audience on **May 16, 2023** at 9:30AM to more than 30 participants. Participants carefully listened to his address and also came forward with their queries and discussions.

**Coordinators** : Prof. Shruti Jain, Dr. Vikas Baghel, Dr. Himanshu Jindal.