

प्रो. पार्थसारथि चक्रवर्ती

निदेशक

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(शिक्षा मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्वपूर्ण संस्थान)

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M E S S A G E

I am glad to know that the **Indian Society for VLSI Education** Ranchi Centre is going to organize the 6th International Conference on **Microelectronics Computing & Communication Systems (MCCS-2021)** from 17-18th July 2021 at ARTTC BSNL Hazaribag Road, Ranchi-835217, Jharkhand, India.

An increased demand for seamless connectivity with intelligent ambient systems and unrestricted mobility requires faster data transfer rates which demand a lot more memory and computing capabilities in communication devices while ensuring smaller form factors and lower power consumption.

During the last two decades, significant progress has been made in the design of functional materials on the nanoscale to tailor their properties to meet the design requirements. Many of these nanostructured materials have shown tremendous promises for their future deployment in ultra-small size and energy-efficient electronic, photonic, magnetic, and electromechanical systems that would completely revolutionize communication technology in the future. The real challenge now is to develop the process of integration of nanoelectronic devices with the microelectronics circuits in the form of a universal platform so as improve the functionality to facilitate rapid transmission and processing of a big volume of data.

I convey my sincere wishes for the success of the conference and believe that it will be able to meet the objective of bringing together the brightest minds in the country and from across the globe for stimulating interactions.

(Parthasarathi Chakrabarti)