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**TOPIC:**

Wearable Electronics: Device Perspective

**ABSTRACT:**

An impactful success of mobile devices in personalized information processing and communication has given rise to conceptualization of many Wearable Devices. And a simultaneous drive of “big” data and analytics has paved way of aided decision making through these devices in many spheres of life. These devices span from ‘smart watch’ to ‘virtual reality device’ to even ‘smart clothing’. In this talk, we will bring out a device perspective of Wearable Electronics. The presentation, with specific examples, will hover on: what are the challenges and how are they being addressed through research in materials, hardware and software. In particular, this talk will bring out role of varied materials in bringing miniaturization, flexibility, longevity and wide-usability of these wearable devices.

**PROFILE:**

Dr. Aloknath De is Chief Technology Officer of Samsung R&D Institute India and also Senior VP for ‘Digital Media and Communication’ activities in Bangalore. Dr. De has more than twenty-five years of industrial and research experiences including the most recent one in ST-Ericsson where he was Director and Country Manager. He holds B.Tech. from Indian Institute of Technology (IIT), Kharagpur; M.E. from Indian Institute of Science (IISc), Bangalore; and Ph.D. from McGill University, Montreal. He is a recipient of ‘Alexander Graham Bell Prize’ in Canada and received IETE Memorial Awards in India. Dr. De has served as an Adjunct Professor with IIT-Delhi and also as an AICTE-INAE Distinguished Visiting Professor with IIT-Roorkee. He is a senior member of IEEE, and fellows of IE, IETE and INAE.