



MNIT JAIPUR

EVENT REPORT

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This webinar was conducted by IEEE Sensor Council Student Chapter MNIT Jaipur through google meet online platform.

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The miniaturization led advances in microelectronics over 50 years have revolutionized our lives through fast computing and communication. Recent advances in the field are propelled by applications such as electronic skin in robotics, wearable systems, and healthcare technologies etc. Often these applications require electronics to be soft and squishy so as to conform to 3D surfaces. These requirements call for new methods to realize sensors, actuators electronic devices and circuits on unconventional substrates such as plastics, papers and elastomers. This lecture will present various approaches for obtaining distributed electronic, sensing, actuation and computing devices on soft and flexible substrates, especially in context with the tactile or electronic skin (e-Skin). These approaches range from distributed off-the-shelf electronics integrated on flexible printed circuit boards, to novel alternatives such as e-Skin constituents obtained by printed nanowires, graphene and ultra-thin chips, etc