Special Issue

Flexible Electronics for Wearable and Implantable Health Care Applications

Message from the Guest Editors

Flexible electronics have attracted great attention of interest owing to their unprecedented properties over conventional bulk-semiconductor base devices. In the last decade, the development of flexible electronics has been continuously advanced from materials, design concepts to innovative fabrication technologies. In health care and medical applications, flexible electronics offers new functionalities such as smart wears and epidermal sensors that can be directly mounted onto skin to track different biophysiological parameters from users. The capability to form conformal contacts with soft bio-tissue also opens new paradigm for implantable electronics in neurological signalling and simulating, thereby leveraging advances in disease diagnosis and treatment. This issue seeks for review papers and technical reports on flexible electronics for health care applications. It aims to provide the readers a comprehensive and broad view on the state-of-the-art and future perspective of soft electronics for biological sensing.

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