

ADVANCED FUNCTIONAL MATERIALS

EPIDERMAL SYSTEMS

Human skin-like core/shell material encapsulating structures for wearable electronics serve to minimize interface stresses and mechanical constraints on natural body motions, with ability to strain isolate the active devices. On page 3698, Y. Huang, J. A. Rogers, and co-workers show how integrating emerging commercial classes of stretchable electronics into this type of structure provides systems with capabilities in continuous, precision wireless monitoring of motion and skin temperatures during exercise.

