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Topic of the Speech:
Epidermal Systems for Physiological Information Monitoring

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Professor Youfan Hu received her Ph.D. degree in Physical Electronics from Peking University, Beijing, China in 2008. She is currently an Associate Professor in the School of Electronics at Peking University.

Her research interests include high performance nanosensors, flexible carbon nanotube based integrated circuits, energy harvesting technology, and integrated smart sensor system. So far, she has published over 70 peer reviewed journal articles with a citation exceed 9300.

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ABSTRACT SUBMISSION
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Epidermal Systems for Physiological Information Monitoring

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ABSTRACT (NO MORE THAN 500 WORDS:)

The epidermal systems that offer conformal contact with biological surfaces for physiological information capture is of great interest in various applications toward advanced forms of monitoring, diagnosis and therapy. In general, an intimate interface is required between the electronic system and the biological tissue to guarantee a stable signal recording with high fidelity. Here we show several examples of our recent progress to construct such epidermal systems for physiological information monitoring from human body surface, demonstrating a great possibility of next-generation wearables for personal health care.