



第147回 OPERA研究交流セミナー
第138回 ISIT有機光エレクトロニクス研究特別室セミナー
第205回 未来化学創造センターセミナー



日時: 2016年5月17日(火) 16:30~
場所: 九州大学 共進化社会システムイノベーション施設 2F大会議室

Skin-inspired Electronic Devices Towards Artificial Skin

Ho Hsiu Chou

Assistant Professor of Chemistry
National Sun Yat-Sen University, Taiwan

Skin is the largest organ of our body. It provides a remarkable network of highly sensitive diverse sensors, such as those for tactile sensing, health monitoring, and temperature sensing, that are able to convert mechanical stimuli into physiological signals, which are then interpreted by the brain. Because skin has numerous potential applications, scientists are now exploring the field of electronic skin (e-skin), dreaming to mimic the properties of skin and create novel applications. Specifically, the design and development of sensors that take advantage of these benefits can lead to manufacturing of cheap electronic units for electronic skin as well as medicinal, wearables, and environmental monitoring applications. In this talk, I will present recent progress in materials and fabrication of chemical, biological and pressure sensors.

主催:九州大学 最先端有機光エレクトロニクス研究センター
:財団法人九州先端科学技術研究所(ISIT)
共催:九州大学 未来化学創造センター