Wednesday Evening, January 17, 2018

PCSI

Room Keauhou II - Session PCSI-WeB

PCSI Banquet

7:30pm **PCSI-WeB-13 Dynamic Materials Inspired by Cephalopods**, ***Alon Gorodetsky***, University of California, Irvine **INVITED**

Cephalopods, such as the squid shown below in Figure 1, have captivated the imagination of both the general public and scientists for more than a century due to their visually stunning camouflage displays, sophisticated nervous systems, and complex behavioral patterns. Given their unique capabilities and characteristics, it is not surprising that these marine invertebrates have recently emerged as exciting models for novel materials and systems. Within this context, our laboratory has developed various cephalopod-derived and cephalopod-inspired materials with unique functionalities. Our findings hold implications for next-generation adaptive camouflage devices, sensitive bioelectronic platforms, and advanced renewable energy technologies.

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