

2010 9

Photonic Structures in the Biological World

资剑 教授

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<http://www.phy.pku.edu.cn/events/icmp10s.xml>

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Abstract In the biological world photonic structures have evolved for multiple functionalities including optical one. These photonic structures show diverse topology and symmetry, and many are still beyond our fabrication ability. Importantly, nature exhibits many unique and ingenious strategies to steer light. In this talk, I will present a few examples in peacock, parrot and beetle about the interesting photonic structures and show the subtle ways of light control. Indeed, nature manifests a great source of inspiration in our design and fabrication of photonic structures and devices.

62767809 bshen@pku.edu.cn

Photograph by Xiaodong Hu