

Harnessing Light with Plasmonics

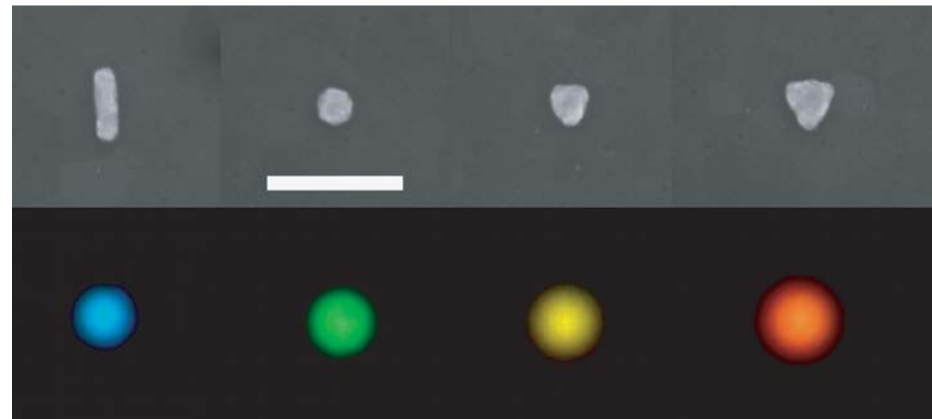


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PhD Exeter, 1986
Southampton, 1986 - 1992
Exeter, 1992 -

In this colloquium we will look at the physics underlying plasmonics - and at some of the features that make it an attractive and exciting topic of current research.



Special Time and Place

3:30 pm, Friday, February 8, 2008
Sloan Auditorium, Goergen Building
Refreshments following lecture

Harnessing light with plasmonics

Professor William Barnes

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Abstract

In this colloquium we will look at the physics underlying plasmonics - and at some of the features that make it an attractive and exciting topic of current research.

Biography

I have been fascinated by science since an early age. An interest in astronomy led to the choice of a Physics degree, and I haven't looked back since. Current research is based around looking at the interaction between light and matter - particularly through the use of the metals - a field known as plasmonics. I received BSc and PhD Physics from Exeter in 1983 and 1986 respectively. From 1986 - 1992 I was a research fellow in the Optoelectronics Research Centre at Southampton University. In 1992 I was appointed to a staff position at Exeter. I am fortunate to hold a Royal Society Merit award.