

# Colloquium Notice

## Diederik Wiersma

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### *Photonics Walking Up a Human Hair*

I will report on a new research line in which nano photonics is combined with deformable micro structures. In particular, I will discuss how liquid crystal elastomers can be used to make deformable photonic components, where light induces structural deformations that feed back on the optical properties of the structure. Also I will show how such concepts can be used to make functional microscopic structures that can perform simple tasks and move around (walk/swim), using the environmental light as energy source. Nature is a source of inspiration for many of the designs used in this context.

*Note: Cancelled*

Thursday  
**March 30, 2017**  
Starts at 12:15 PM  
Coffee at 12:00 PM  
Physics Conference Room, SB B326