APPLICATION LETTER  
PEP2018 Summer SCHOOL - June 24-29, 2018

*Photothermal Effects in Plasmonics*

Please fill in and email this file to **PEP2018@fresnel.fr** in order to apply for the PEP2018 Summer School. You will be informed by email whether your application is accepted or not by the 28th of February 2018.

**First name**

**LAST NAME**

Affiliation  
Position (master student, PhD student, Postdoc, researcher, industry, ...)  
Nationality  
email

# Are you hired by the CNRS (Centre National de la Recherche Scientifique)? Yes No

# When do you plan to arrive and to leave the Summer School?

Enter text

# What is your motivation for applying for this Summer School?

Enter text

# If you wish to present a poster, please provide a title and an abstract below (no length limit, you can insert figures).

Title

Abstract

# In principle, all the topics listed below will be tackled during the Summer School.

Basics of nanoplasmonics • Basics of thermodynamics • Basics of thermoplasmonics • Basics in cell biology • Cell imaging • Lasers - current state of the art • Numerical simulations • Thermal microscopy • Thermophoresis • Thermal lensing • Fluid superheating • Fluid convection • Nanoparticle reshaping • New materials for thermoplasmonics • Photothermal imaging • Bubble formation in plasmonics • Shock wave generation • Photothermal cancer therapy • Thermal stimulation of neurons • Thermodynamics of DNA • Nanoparticle toxicity • Photoacoustic imaging

# If you think this list of topics could be improved, please let us know to what extent. In particular, feel free to suggest additional topics you would like PEP2018 to tackle.

Enter text