



# NANOSYSTEMS for PHOTOTHERMAL and PHOTOCATALYTIC WATER TREATMENT

A workshop organized within the  
framework of the project

COPE - COnposite  
nanomaterials coupling  
Photothermal Evaporation  
and photocatalysis for  
durable water purification  
systems

Tuesday, January 27<sup>th</sup> 2026

9.00 AM - 1.00 PM

Università degli Studi di Milano  
Room G11, via Golgi 19

**Participation is free upon registration.**  
Register now at:

<https://forms.office.com/e/NkCdFRFaHU>

## A G E N D A

**9:00 Welcome**

**9:30 Paolo Fornasiero**  
Unexpected reactivity of innovative but also conventional photocatalysts

**10:00 Francisco J. Maldonado**  
Towards the sustainable synthesis of carbon materials and composites for photo and photothermal applications

**10:20 Marco Minella**  
Graphitic carbon nitride as photocatalyst and as support to drive heterogeneous photo-Fenton processes

**10:40 Maria Vittoria Diamanti, Vanni Lughì, Daniela Meroni**  
The COPE project: photothermal & photocatalytic materials for solar evaporators

**11:10 Coffee break**

**11:40 Nicolas Keller**  
Moving Beyond Photocatalysis through Synergistic Light and Heat Contributions

**12:00 Vincenzo Vaiano**  
g-C<sub>3</sub>N<sub>4</sub>-based photocatalysts for the visible-Light-driven degradation of emerging contaminants

**12:20 Silvia Suarez**  
Challenges and prospects in the application of photocatalysis for air pollutant removal

**12:40 Christian Klinke**  
Advanced confocal microscopy for tracking charges transport in colloidal nanomaterials

