



# Industrial PhD

*Technologies for Resilient Living Environments*

Università degli Studi della Campania “Luigi Vanvitelli”  
*Dipartimento di Architettura e Disegno Industriale*  
 Dottorato Industriale in Tecnologie per Ambienti di Vita Resilienti

*Laboratori numerico e sperimentale della Fisica Tecnica*  
*Dipartimento di Ingegneria, Via Roma 9 - Aversa | 25 - 26.07.2023*

## Advanced heat transfer techniques for solar thermal systems. Experimental and numerical laboratories in basic research and in the development of performing solutions in solar systems

*The experimental and computational laboratories are equipped with advanced measuring instruments and high-performance workstations employed in the study of the thermo-fluid dynamic behavior of innovative heat transfer components for solar systems. The research activities developed in the laboratories include the thermophysical characterization of novel heat transfer fluids such as nanofluids, porous media and phase change materials, and the development of prototypes for heat storage and heat exchange. Computational tools support thermo-fluid dynamics analysis and optimization of innovative solar components.*

### Welcome

SERGIO SIBILIO  
 Coordinatore del Dottorato Industriale  
 in Tecnologie per Ambienti  
 di Vita Resilienti

25.07.2023 at 11:00-13:00  
 26.07.2023 at 10:00-13:00

SERGIO NARDINI  
 Full Professor - ING-IND/10

BERNARDO BUONOMO  
 Associate Professor - ING-IND/10

### Segreteria

Giovanni Ciampi, Vincenzo Cirillo, Mariateresa Guadagnuolo