

International Thematic School on THERMICS & NANOPHONONICS



April 28 – May 03, 2024 The Houches Physics School, Chamonix Mont Blanc Valley, FR

Controlling thermal emission, or the reciprocal phenomenon of absorption of electromagnetic radiation, is crucial in various applications including heat management, energy harvesting and conversion, sensing, imaging, or producing novel sources and detectors. The development of metamaterials and complex media has led to remarkable effects in heat-light conversion and transfer, due to light-matter interaction at the subwavelength scale.

The school will cover these topics both from the fundamental perspective and from the applications point of view.

Eleven outstanding lecturers will cover a broad spectrum going from the theory of Photon-phonon interaction and their characterization to the most advanced Photon-phonon interaction devices :

Natalia DEL FATTI (ILM – FR), **Jean-Jacques GREFFET** (IOGS - FR), **Shanhui FAN** (STANFORD - USA), **Pramod REDDY** (UNIV. MICHIGAN - USA), **Philippe BEN ABDALLAH** (IOGS - FR), **Giulia TAGLIABUE** (EPFL - CH), **Angela VASANELLI** (ENS PARIS – FR), **Esther ALARCON-LLADO** (AMOLF – NL), **Rémi CARMINATI** (LANGEVIN/IOGS - FR), **Romain QUIDANT** (ETH – CH), **Alberto MOSCATELLI** (Nature Nanotechnology)

Attending a thematic school is a unique opportunity to learn, share and connect with top leaders in the field. The school is designed for students and researchers using optical methods and for physicists participating in their development.

Application deadline (short motivation letter + CV)

Second submission campaign: until March 4, 2024

www.sfoptique.fr

<https://www.sfoptique.org/pages/sfo/ecoles-thematiques/2024-thermics-and-nanophotonics/>