



Séminaire Régulier



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Salle R. Planel, bâtiment D1

Thermotronics: toward circuits for the thermal light

Philippe Ben-Abdallah

**Laboratoire Charles Fabry, CNRS, Institut d'Optique,
Université Paris-Sud 11, Palaiseau, France.**

The ability to control electric currents in solids using diodes and transistors is undoubtedly at the origin of the main developments in modern electronics, which have revolutionized the daily life in the second half of 20th century. Surprisingly, until the year 2000 no thermal counterpart for such a control had been proposed. Since then, based on pioneering works on the control of phononic heat currents new devices were proposed which allow for the control of heat fluxes carried by photons rather than phonons or electrons.

In this presentation I will discuss the recent advances in the field of thermal energy control with photons.

References

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Contact: Andrea Cattoni (01 69 63 60 48 ou seminaires@lpn.cnrs.fr)
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