



PROJECT DESCRIPTION

Design of refrigeration systems

Project description: Engineering of refrigeration systems. Design, numerical simulation and optimization of domestic, commercial and industrial refrigerating systems. Development of devices using non-contaminant refrigerants such as hydrocarbons and carbon dioxide. Design of absorption cooling systems, trans-critical cycles. Development of simulation software: two-phase flow, frosting effects, absorption phenomena.

RESPONSIBLE UPC RESEARCHER

Prof. Asensi Oliva

UPC RESEARCHER CONTACT

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TYPE OF RESEARCH COOPERATION ENVISIONED

Students who just finished or are in the last year of their degree in physics, engineering, mathematics or computer science. Post-Doc students may also be considered.

FUNDING AND FACILITIES OFFERES

Grants of 1000 euro / month plus medical insurance and traveling expenses.