A.D. 1308 unipg
DIPARTIMENTO DI CHIMICA, BIOLOGIA E BIOTECNOLOGIE

In collaboration with

VITALITY
CUP: J97G22000170005

AVVISO DI SEMINARIO

Il giorno venerdì 18 luglio 2025
alle ore 11:15 nell'aula B del
Dipartimento di Chimica, Biologia e Biotecnologie

Prof. Henry Snaith

Clarendon Laboratory, Department of Physics, University of Oxford, Parks Road, OX13PU, UK

terrà un seminario dal titolo:

"Improving The Stability And Efficiency Of Metal Halide Perovskite Solar Cells"

When we first started working with metal halide perovskites more than a decade ago, they immediately worked efficiently as absorbers in solar cells and seemed to possess almost prefect optoelectronic quality, despite being very simply processed. Nevertheless, as "defect tolerant" as perovskites are, they still require controlled growth and passivation in order to reach peak performance, and suppressing losses at interfaces has been and remains critical to continuously improving the efficiency. Understanding degradation pathways and maximising the long-term operation stability is arguably the most important challenge for perovskite solar cells. In this talk I will present some of our recent work advancing the efficiency of multi-junction perovskite solar cells and understanding and supressing degradation pathways in these devices.

Tutti gli interessati sono invitati a partecipare
Prof. Filippo De Angelis