

Postdoctoral Position in Photonics

The project aims at the integration of large area and inexpensive photonic architectures in optoelectronic devices to boost their performance through exciting photonic properties. We will fabricate photonic crystals and plasmonic arrays fabricated with unconventional techniques fully compatible with industrial processes, such as soft nanoimprinting technology.

- We look for experts in Photonics/Plasmonics to explore the exciting optical properties of plasmonic architectures made with unconventional materials such as cellulose, colloids or conductive polymers. Our goal is to characterize and integrate these photonic structures into real devices (Organic Solar Cells, Photodetectors, sensors, etc).
- We offer a 2 –year position at our group funded by the ERC project

ENLIGHTMENT

- Candidates must possess a background in physics or engineering and proof of expertise in one of these profiles:
- Profile Photonics expert: optical set ups, characterization of plasmonic architectures, FDTD simulations, cleanroom fabrication
- Profile Device expert: device engineering and electrical characterization of devices, PV, PDs, 2D materials etc.

DEADLINE SEPTEMBER 2018

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<https://scholar.google.es/citations?user=gBZ89EwAAAAJ&hl=es>

<https://departments.icmab.es/nanopto/photonic-architectures-for-light-management/>