



**Lecturer:** Miguel Á. Pérez Torres, research scientist at the Instituto de Astrofísica de Andalucía (IAA-CSIC, Granada, Spain) and collaborator of the DFTUZ

**Abstract** The Square Kilometre Array (SKA) project is an international effort to build the world's largest radio telescope. The SKA is expected to conduct transformational science to improve our understanding of the Universe and the laws of fundamental physics, monitoring the sky in unprecedented detail and mapping it many times faster than any current facility. The SKA will not be a single telescope, but a collection of telescopes spread over long distances in the Southern Hemisphere. In this talk, I will give an overview of the SKA project and its science goals, which range from the cradle of life in exoplanets up to shedding light on the Epoch of Reionization and the Dark Ages of the Universe.

On-line  
[\(Zoom\)](#)

Jueves 22 septiembre, 12 horas, seminario de Física Nuclear



Centro de Astropartículas y  
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