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## Prospects for physical cosmology in the SKA era

*Wednesday, 29 November 2023 16:30 (35 minutes)*

I will review the main scientific questions that can be addressed by SKA in terms of fundamental physics. I will focus on intensity mapping in the post-reionization era and address: nature of dark matter, dynamics and geometry of the Universe, neutrino masses. I will try to provide also some context and detail how and why probing high- $z$  structure formation processes can be relevant, also with respect to other probes.

### Research area

Epoch of Reionization

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