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Type: **Invited/Solicited talk in mini-symposium**

## **HI intensity mapping: results from MeerKAT and plans for the SKA**

*Monday, 11 December 2023 16:30 (20 minutes)*

I will introduce the neutral hydrogen (HI) intensity mapping technique and its potential to constrain cosmology across a huge range of scales and redshifts. I will then discuss the latest results using the MeerKAT telescope and plans for the next few years. I will conclude with an highlight of the measurements expected with a future SKA HI intensity mapping survey and its synergies with other telescopes.

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**Session Classification:** Cosmology with large-scale structure