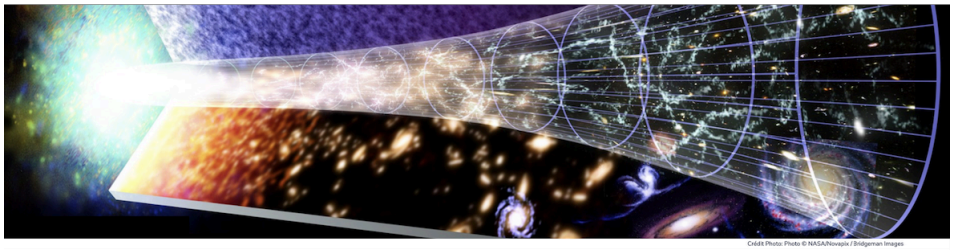

ID de Contribution: **15** Type: **Non spécifié**

New developments in late time inhomogeneous cosmology with the Szekeres model

lundi 14 avril 2025 15:15 (25 minutes)

The Szekeres exact solution to the field equations of General Relativity is known as a promising tool for the representation of the late universe. Besides being devoid of any symmetry, being able to represent the matter (cosmological constant) dominated region of the universe, to be matched at some redshift to an homogeneous (early-time) FLRW space-time, and to exhibit a matter dipole, it can be used to reproduce the expansion multipoles which have been recently measured in supernova, quasar and radio-galaxy surveys. After a short reminder of the main properties of this cosmological model, the latter feature will be described and methods for its implementation will be proposed.

Orateur: CELERIER, Marie-Noëlle (Observatoire de Paris)