



Contribution ID: 268

Type: **not specified**

## Non-linear supersymmetry

*Thursday 7 July 2016 12:00 (30 minutes)*

Recently non-linear supersymmetry with goldstino type models proved to be extremely useful in cosmology. In the context of string theory it was discovered that anti-D3-brane with spontaneously broken susy, involves constrained superfields. This led to manifestly supersymmetric KKLT construction of de Sitter vacua landscape. It was also possible to construct de Sitter supergravity, thanks to non-linear supersymmetry. Advanced models of inflation, alpha-attractors, compatible with Planck data, are based on constrained superfields. We also review the recent progress in studies of Dirac-Born-Infeld-Volkov-Akulov on-shell amplitudes.

**Presenter:** KALLOSH, Renata (Stanford university)**Session Classification:** Plenary