



Contribution ID: 86

Type: **not specified**

# On discrete Schur-constant vectors, with applications.

*Wednesday, August 29, 2018 3:50 PM (30 minutes)*

This talk is concerned with Schur-constant survival models for discrete random variables. Our main purpose is to prove that the associated partial sum process is a non-homogeneous Markov chain. This is shown in different cases as the random variables take values in the set of nonnegative integers or in the set of integers smaller than  $m \geq 1$ . The property of Schur-constancy is also compared for these cases. We also present a few additional results on Schur-constant vectors. This is based on joint works with Castaner, Claramunt, Lefèvre and Utev.

## Summary

**Presenter:** Prof. LOISEL, Stéphane (Université de Lyon 1)