



Contribution ID: 33

Type: **Invited talk**

## Rényi Entropy of Zeta-Urns

*Wednesday, 18 September 2024 12:00 (40 minutes)*

I will discuss real-space condensation in the balls-in-box model (also known as the urn model, backgammon model, or random allocation model). I will then briefly present a classification of phase transitions related to condensation and discuss the critical behavior of the model, as well as the singularities of the thermodynamic potential and Rényi entropy associated with the phase transition.

**Primary author:** BURDA, Zdzislaw (AGH University of Science and Technology)

**Presenter:** BURDA, Zdzislaw (AGH University of Science and Technology)

**Session Classification:** Session 8