

Equilibrium and Non-equilibrium Statistical Mechanics  
A conference in honor of François Dunlop

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## Hydrodynamic limit for a facilitated exclusion process.

*Tuesday, April 9, 2019 9:50 AM (50 minutes)*

We show a hydrodynamic limit for the exclusion process on  $\mathbb{Z}$  in which a particle can jump to the right only if it has a particle to its left and vice-versa. This process has an active/inactive phase transition at density  $\frac{1}{2}$ .

Joint work with Cément Erignoux, Makiko Sasada and Marielle Simon.

**Presenter:** BLONDEL, Oriane