ID de Contribution: **12**   Type: **Plenary talk**

Onsager reciprocity, gradient flows, and large deviations

mardi 16 novembre 2021 14:00 (45 minutes)

This talk is about connecting the 1935 Onsager Reciprocity Relations with gradient flows, and interpreting a result that Alex Mielke, Michiel Renger, and I proved in 2014 in this context. I show that our mathematical statement can be interpreted as 'showing how to generalize the Reciprocity Relations to systems with nonlinear mobility', thereby giving yet another answer to the old question 'how can we generalize Onsager's result to nonlinear systems?'. This talk is suitable for an audience who knows more about physics or chemistry than about mathematics.

Orateur: PELETIER, Mark