



Mathematics and CS Seminar

Branching Brownian motion, mean curvature flow and the motion of hybrid zones

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Host: Laszlo Erdős

Hybrid zones are interfaces between populations which can occur when two genetically distinct groups interbreed, but hybrid offspring have a lower evolutionary fitness. We can model this situation using the spatial Lambda-Fleming-Viot process. I will discuss a result on the motion of hybrid zones and also a related probabilistic proof of a well-known PDE result connecting the Allen-Cahn equation and mean curvature flow. Joint work with Alison Etheridge and Nic Freeman.

Tuesday, February 20, 2018 04:00pm - 06:00pm

IST Austria Campus Big Seminar room Ground floor / Office Bldg West (I21.EG.101)



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: http://ist.ac.at/fileadmin/user_upload/pdfs/IST_shuttle_bus.pdf The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.