



## Analysis Seminar

**Title:** Pattern formations and the “hot spots” conjecture

**Speaker:** Yasuhito Miyamoto (University of Tokyo, Japan)

**Date:** Tue 18th February 2020 at 3:00PM

**Location:** Seminar Room SCN 1.25

**Abstract:** A reaction diffusion equation describes various phenomena arising in biology and chemistry. We study a stable steady state, which is physically realizable, of a reaction diffusion equation and simplified system. In particular, we are interested in its shape. This problem is related to the second eigenvalue and also the ‘hot spots’ conjecture.