

## Mathematical Colloquia

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**Monday, 06 May 2019**  
17:15 h, Lecture Room 119

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# Graphs and arithmetic geometry

### Abstract:

Graphs can be viewed as (non-archimedean) analogues of Riemann surfaces. For example, there is a notion of Jacobians for graphs. More classically, graphs can be viewed as electrical networks.

I will explain the interplay between these points of view, as well as some recent application in arithmetic geometry.