

# Voronoi Diagram

Plane Sweep

- Site Event: What

Junhui DENG

deng@tsinghua.edu.cn

## What

❖ Consider the moment when the SL passes over a site  $s$  ...

❖ A new parabolic arc, initially as a vertical ray,

- is inserted into BL and
- splits  $\text{arc}(p)$  into two

❖ A new  $\text{edge}(s, p)$

begins to grow

in both directions

❖ At a future circle event,

$\text{edge}(s, p)$  may possibly  
meet with  $\text{edge}(p, q)$  at  $v$

