



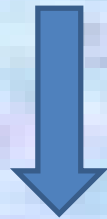
# **The Cloud Programming World Cup**



**Pedestrian Evacuation  
--- Cloud 1205**

# Pedestrian Evacuation

- ◆ various accidents caused by crowds



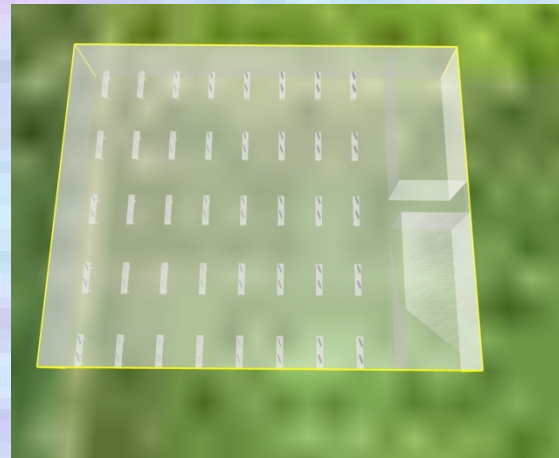
- ◆ a plugin about pedestrian evacuation



# Pedestrian Evacuation



+



**pedestrian**

**scene**

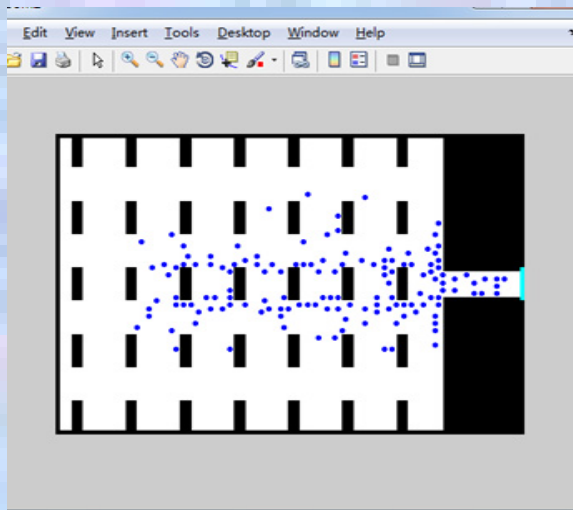
**pedestrian evacuation**



# Pedestrian Evacuation

## Design of evacuation algorithm

Lattice gas model , which is the rule-based, its time , space, states are discrete.



2D



3D

# Pedestrian Evacuation



**three-dimensional dynamic visualization of pedestrian Evacuation in UC-win/Road**

# Pedestrian Evacuation

## • Future Prospects

- Study the processes of more complex and larger-scale population movement or evacuation.
- Optimization and design of pedestrian facilities.
- Induction of pedestrian and route planning of evacuation.