



# Final Project

## ❑ **General information**

- Can be individual or 2-people group
- Each group need to write a short proposal describing their plans
- Choose an algorithm and implement it.
- Graduate student only: Need to implement graphic output to visualize your results

## ❑ **Deliverables: (30% of final score)**

- Your packaged source code (10%)
- A 2-3 page scientific report in IEEE format (10%)
  - Similar to a paper review process
- Present and demonstrate your tool in front of class (10%)
  - Will be in the last week of this course
  - Graded by your classmates



# Project Topic

- ☐ **For each topic, maximum of two teams are allowed**
- ☐ **For each team, maximum of two members are allowed**
- ☐ **Difficulty level**
  - Each undergrad counts as level 1 and graduate student as level 2.
  - Must choose a topic with a level higher than the total level of team
  - Level 1: i. FM partition ii. Cluster growth iii. RMST WL model for placement iv. Polish Expression floorplan evaluation v. fixed module ILP floorplanning
  - Level 2: i. Sequence pair floorplan evaluation ii. Rotatable module ILP floorplanning iii. BPRIM and BCBR routing iv. Hall placement
  - Level 3: i. Gordian placement ii. Steiner routing
  - Level 4: i. Sequence pair SA floorplan ii. Min-cut placement
  - Other topics may be added later, depending on needs