Selected Topics 1

- Select one of the modelling approaches in computer science (better not from the list in the slides). Briefly discuss how it can be used to model and solve problems.
- Target one of the Turing award winners in the AI field or IJCAI research excellence award winners, figure out what's his/her major contributions to the field, and whether it is related to logic/symbolism or not.
- Pick up one of the application areas mentioned in the slides. Go deeper to explain how logics are used in these areas.
- Roughly estimate how many pages you need to represent all chess rules by using propositional logic/first-order logic respectively.
- Try to model your own opinions on the US election by using either propositional logic or first-order logic