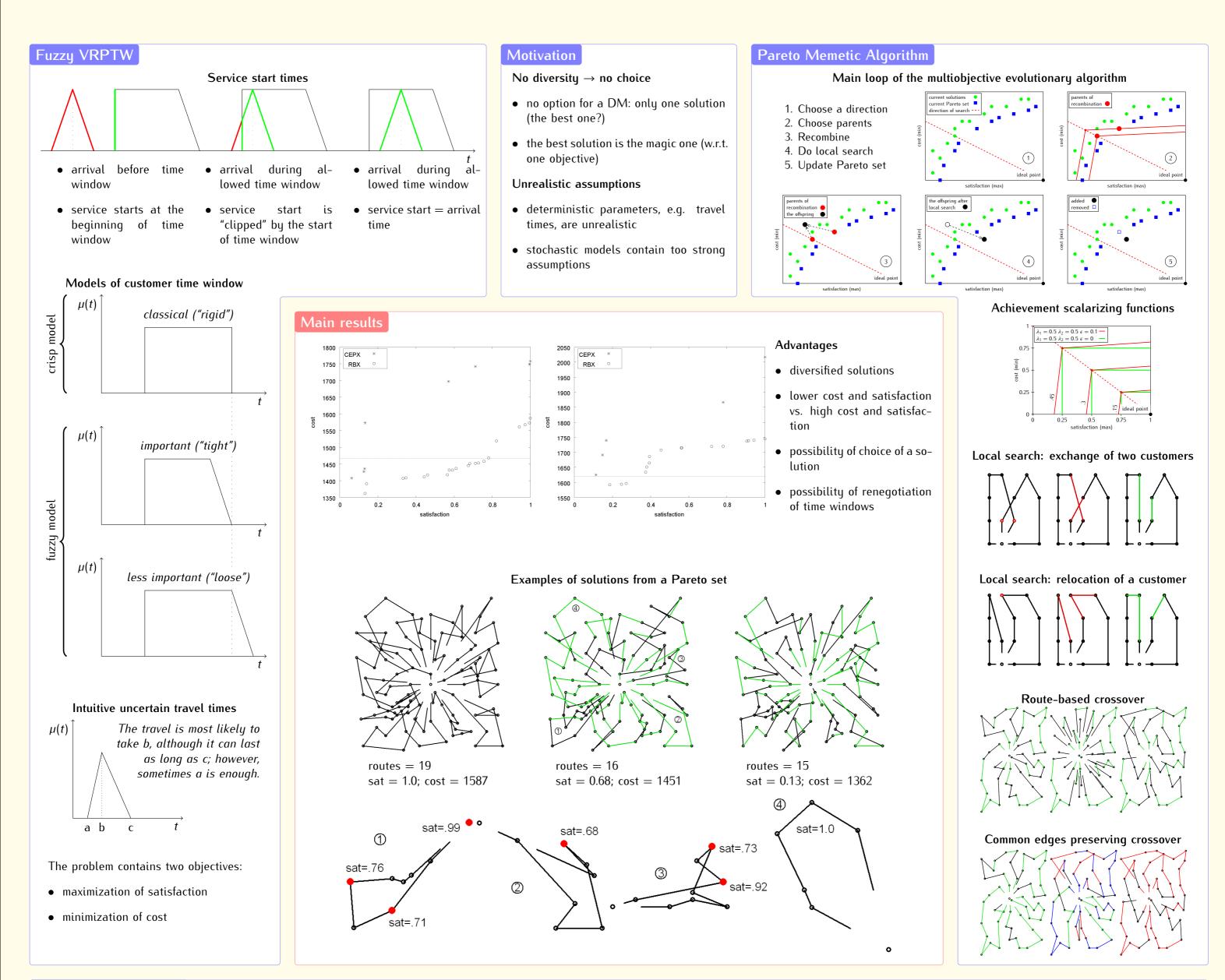


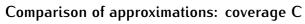
## MULTIOBJECTIVE FUZZY APPROACH TO THE VEHICLE ROUTING PROBLEM WITH TIME WINDOWS

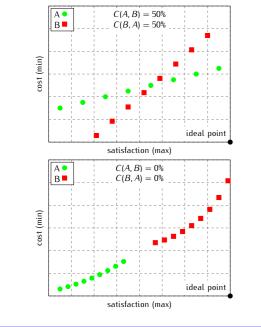
Przemysław Wesołek Marek Kubiak

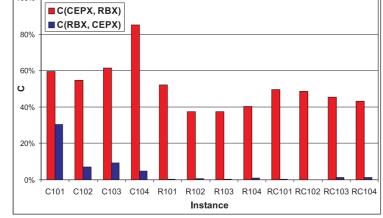
Poznan University of Technology, Poznań, Poland





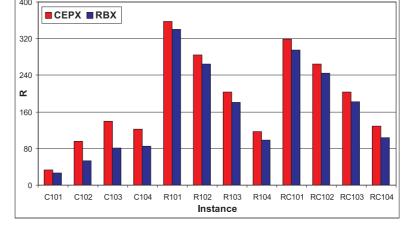






Comparison of instances:

- clustered instances are easier than random ones
- wide time window → easier random instances
- ullet wide time window o harder clustered instances



Comparison of crossovers:

- $\bullet~\mbox{RBX}$  is random, CEPX is deterministic
- RBX is usually better than CEPX
- randomness in RBX is useful

