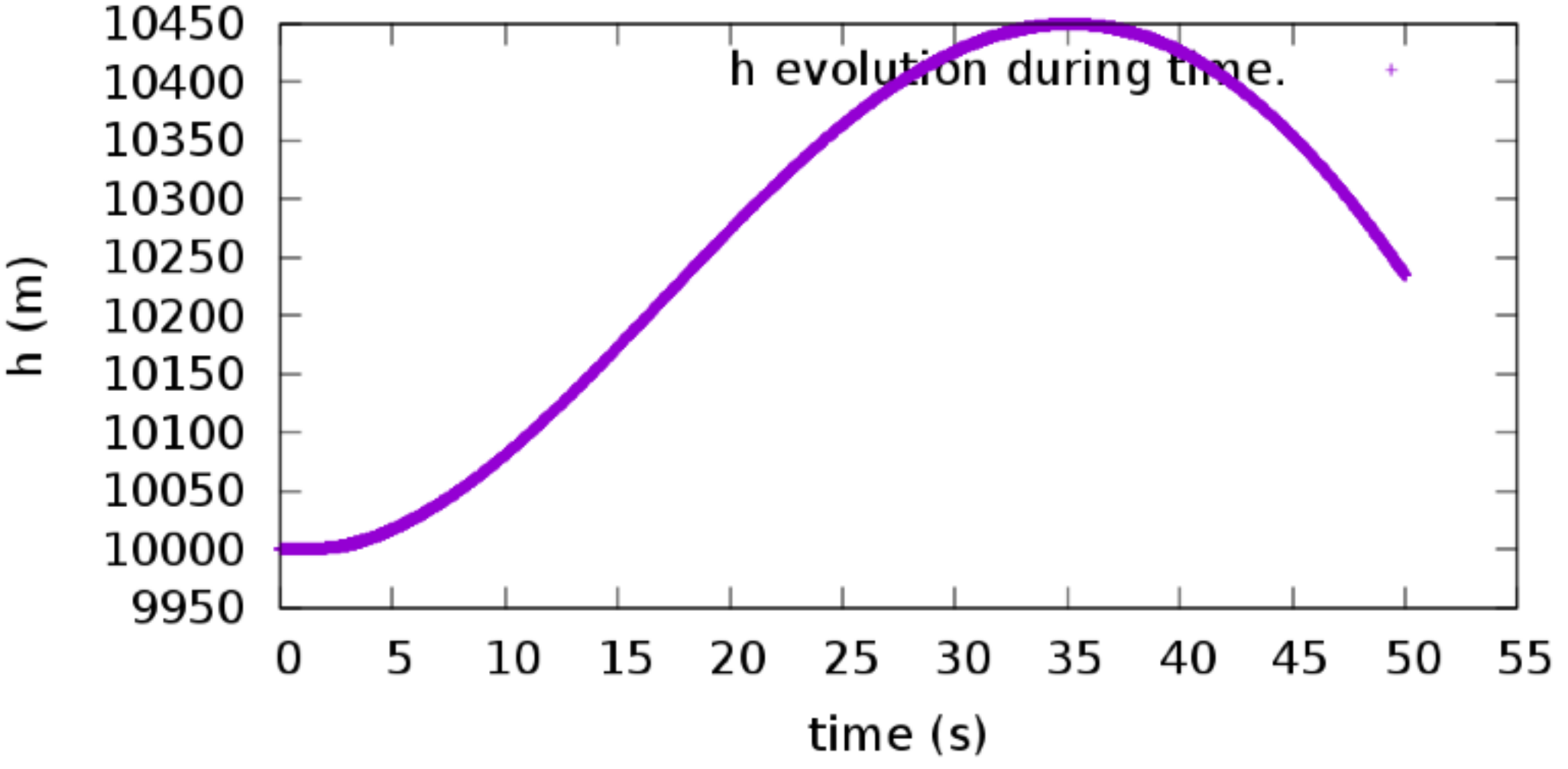
Scheduling of a Cyber-Physical System Simulation

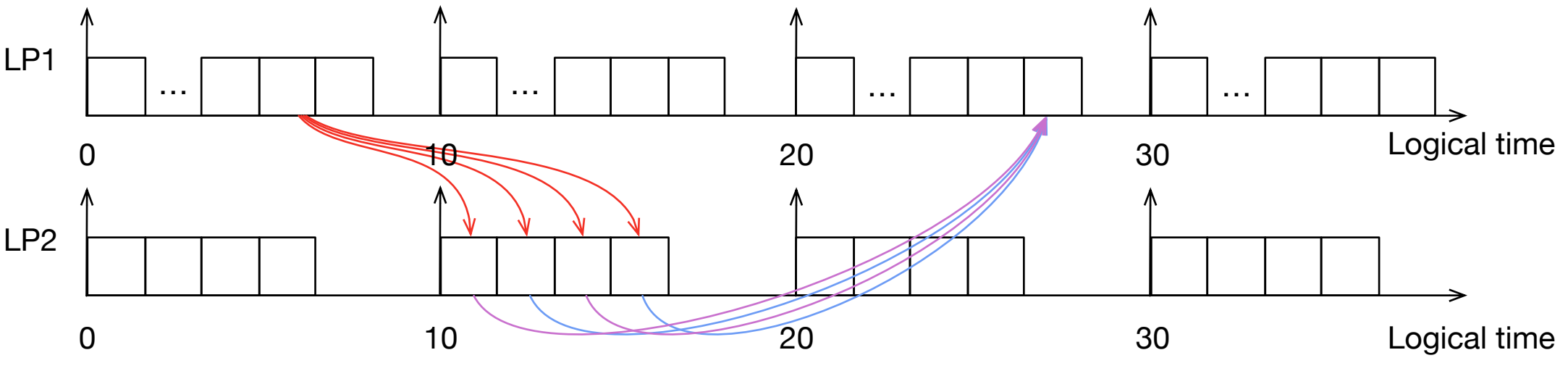
56

Application to case studies

Design and implementation of the solution

51


h evolution during time.
h (m)
time (s)
10450
10400
10350
10300
10250
10200
10150
10100
10050
10000
9950
0
5
10
15
20
25
30
35
40
45
50
55


LP1
0
10
20
30
Logical time
LP2
0
10
20
30
Logical time

LP1

Engine

Elevator

Flight dynamics

Sensors

FCU

Wiring

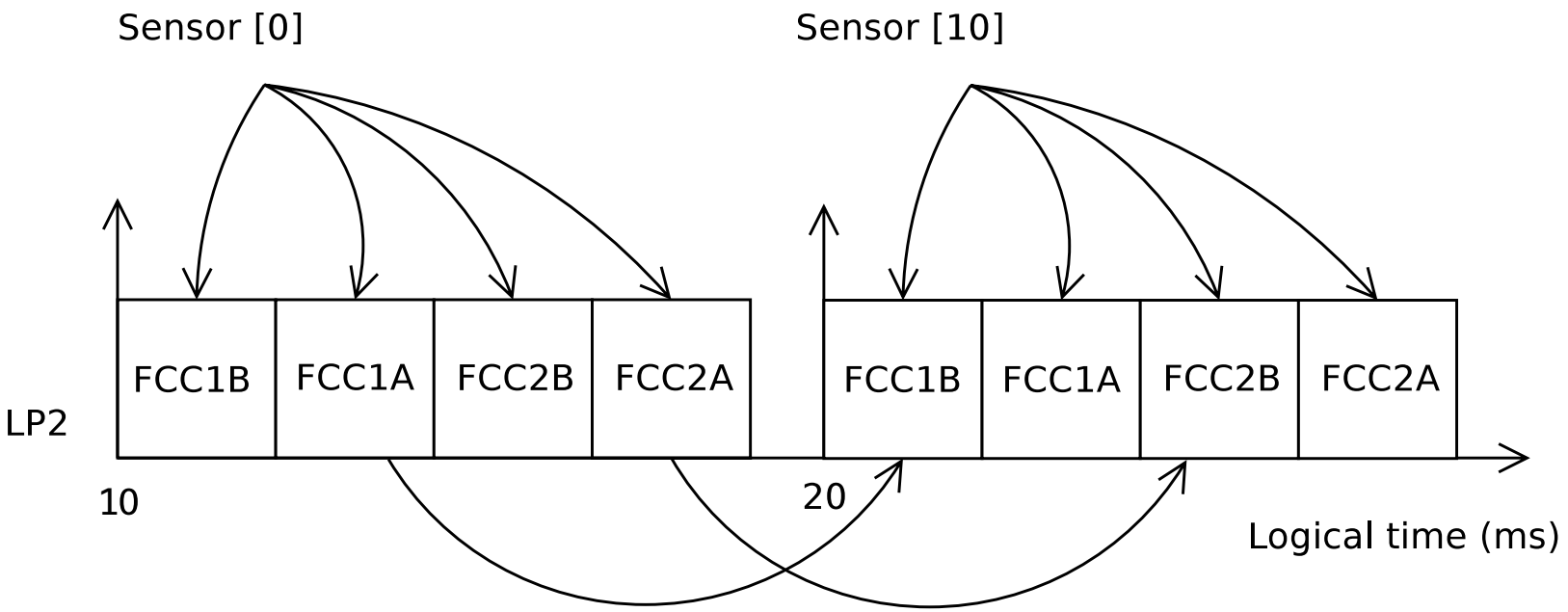
LP2

FCC1A (com)

FCC1B (mon)

FCC2A (com)

FCC2B (mon)


Sensor [0]
Sensor [10]
FCC1B
FCC1A
FCC2B
FCC2A
FCC1B
FCC1A
FCC2B
FCC2A
LP2
10
20
Logical time (ms)

Conclusion, openings

1. General conclusion

3. Work perspectives

2. Summary of contributions

LP1

Engine

Elevator

Flight dynamics

Sensors

FCU

Wiring

LP2

FCC1A (com)

FCC1B (mon)

FCC2A (com)

FCC2B (mon)

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