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# DeMaMech exchange program

Name : Maarten Liebens

Home institute : Catholic University Leuven

Host institute : Osaka University

Research :

Visual tracking of multiple persons  
using joint probabilistic data  
association theory



Period : 18 Sept '05 – 23 Febr '06

“five months for a man, five years of live experience”

**Mechanical Engineering**

Division Production engineering, Machine design and Automation

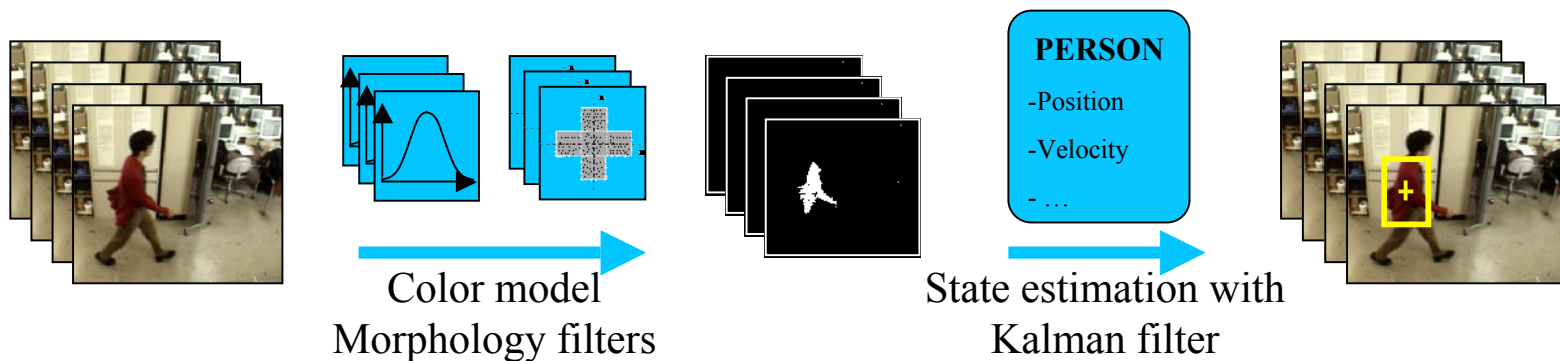




# Research

## Visual tracking of multiple persons using joint probabilistic data association

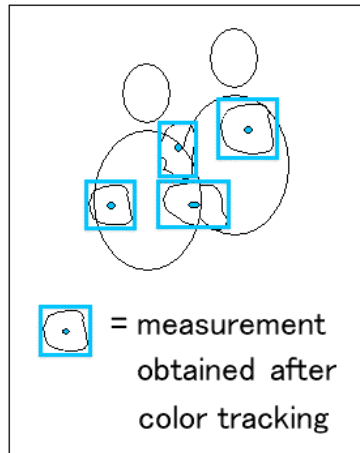
- Prove presence and existence of multiple persons in a small space where heavy occlusions frequently occur
- Localize and follow up each person
- Design and implementation of algorithm



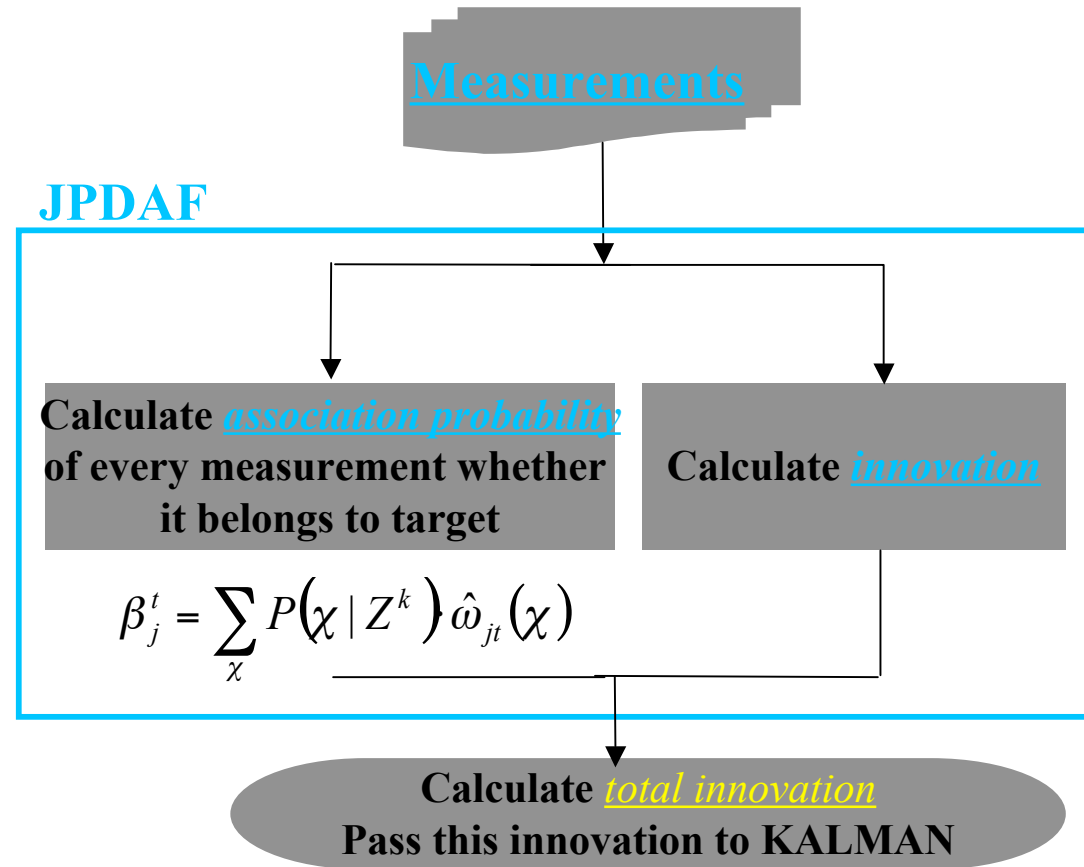


# Research

*For a specific target  $t$  before state estimation ...*



## JPDAF





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# Exchange student life



## Mechanical Engineering

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